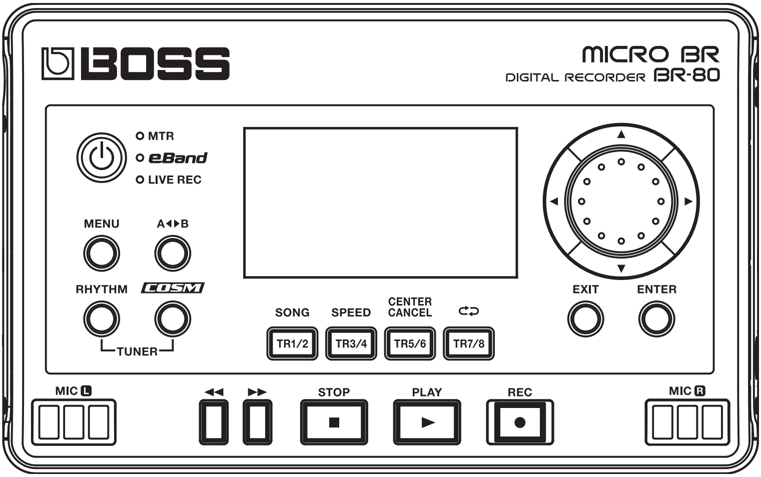
BOSS
MICRO BR
DIGITAL RECORDER BR-80
MTR
eBand
LIVE REC
MENU
A◀▶B
RHYTHM
COSM
TUNER
SONG
SPEED
CENTER CANCEL
TR1/2
TR3/4
TR5/6
TR7/8
EXIT
ENTER
MIC L
◀◀
▶▶
STOP
PLAY
REC
MIC R

MICRO BR

DIGITAL RECORDER BR-80

Owner's Manual

BOSS

Before using this unit, carefully read the sections entitled: "USING THE UNIT SAFELY" (p. 4) and "IMPORTANT NOTES" (p. 6). These sections provide important information concerning the proper operation of the unit. Additionally, in order to feel assured that you have gained a good grasp of every feature provided by your new unit, Owner's manual should be read in its entirety. The manual should be saved and kept on hand as a convenient reference.

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MICRO BR

DIGITAL RECORDER BR-80

USING THE UNIT SAFELY

INSTRUCTIONS FOR THE PREVENTION OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

About ⚠WARNING and ⚠CAUTION Notices

⚠WARNING	Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.
⚠CAUTION	Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly. * Material damage refers to damage or other adverse effects caused with respect to the home and all its furnishings, as well to domestic animals or pets.

About the Symbols

⚠	The △symbol alerts the user to important instructions or warnings.The specific meaning of the symbol is determined by the design contained within the triangle. In the case of the symbol at left, it is used for general cautions, warnings, or alerts to danger.
🛇	The ⃠symbol alerts the user to items that must never be carried out (are forbidden). The specific thing that must not be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the unit must never be disassembled.
●	The ●symbol alerts the user to things that must be carried out. The specific thing that must be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the power-cord plug must be unplugged from the outlet.

ALWAYS OBSERVE THE FOLLOWING

⚠WARNING

Do not open (or modify in any way) the unit or its AC adaptor.

Do not attempt to repair the unit, or replace parts within it (except when this manual provides specific instructions directing you to do so). Refer all servicing to your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page.

Never install the unit in any of the following locations.

- Subject to temperature extremes (e.g., direct sunlight in an enclosed vehicle, near a heating duct, on top of heat-generating equipment); or are
- Damp (e.g., baths, washrooms, on wet floors); or are
- Exposed to steam or smoke; or are
- Subject to salt exposure; or are
- Humid; or are
- Exposed to rain; or are
- Dusty or sandy; or are
- Subject to high levels of vibration and shakiness.

Make sure you always have the unit placed so it is level and sure to remain stable. Never place it on stands that could wobble, or on inclined surfaces

Use only the specified AC adaptor (PSA Series), and make sure the line voltage at the installation matches the input voltage specified on the AC adaptor's body. Other AC adaptors may use a different polarity, or be designed for a different voltage, so their use could result in damage, malfunction, or electric shock.

Do not excessively twist or bend the power cord, nor place heavy objects on it. Doing so can damage the cord, producing severed elements and short circuits. Damaged cords are fire and shock hazards!

⚠WARNING

This unit, either alone or in combination with an amplifier and headphones or speakers, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level, or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should immediately stop using the unit, and consult an audiologist.

Do not place containers containing liquid on this product. Never allow foreign objects (e.g., flammable objects, coins, wires) or liquids (e.g., water or juice) to enter this product. Doing so may cause short circuits, faulty operation, or other malfunctions.

In the following situations, immediately turn off the power, disconnect the AC adaptor from the AC outlet, disconnect the USB cable from the BR-80, and request servicing by your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page.

- The AC adaptor or the power-supply cord has been damaged; or
- If smoke or unusual odor occurs
- Objects have fallen into, or liquid has been spilled onto the unit; or
- The unit has been exposed to rain (or otherwise has become wet); or
- The unit does not appear to operate normally or exhibits a marked change in performance.

In households with small children, an adult should provide supervision until the child is capable of following all the rules essential for the safe operation of the unit.

Protect the unit from strong impact.

(Do not drop it!)

⚠WARNING

Do not force the unit's power-supply cord to share an outlet with an unreasonable number of other devices. Be especially careful when using extension cords—the total power used by all devices you have connected to the extension cord's outlet must never exceed the power rating (watts/amperes) for the extension cord. Excessive loads can cause the insulation on the cord to heat up and eventually melt through.

Before using the unit in a foreign country, consult with your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page.

Included batteries must never be recharged, heated, taken apart, or thrown into fire or water.

Never expose batteries to excessive heat such as sunshine, fire or the like.

Incorrect handling of batteries, rechargeable batteries, or a battery charger can cause leakage, overheating, fire, or explosion. Before use, you must read and strictly observe all of the precautions that accompany the batteries, rechargeable batteries, or battery charger.

When using rechargeable batteries and a charger, use only the combination of rechargeable batteries and charger specified by the battery manufacturer.

⚠CAUTION

The unit and the AC adaptor should be located so their location or position does not interfere with their proper ventilation.

Always grasp only the output plug or the body of the AC adaptor when plugging into, or unplugging from, this unit or an outlet.

At regular intervals, you should unplug the AC adaptor and clean it by using a dry cloth to wipe all dust and other accumulations away from its prongs. Also, disconnect the power plug from the power outlet whenever the unit is to remain unused for an extended period of time. Any accumulation of dust between the power plug and the power outlet can result in poor insulation and lead to fire.

Try to prevent cords and cables from becoming entangled. Also, all cords and cables should be placed so they are out of the reach of children.

⚠CAUTION

Never climb on top of, nor place heavy objects on the unit.

Never handle the AC adaptor body, or its output plugs, with wet hands when plugging into, or unplugging from, an outlet or this unit.

Before moving the unit, disconnect the AC adaptor and all cords coming from external devices.

Before cleaning the unit, turn off the power and unplug the AC adaptor from the outlet (p. 41).

Whenever you suspect the possibility of lightning in your area, disconnect the AC adaptor from the outlet.

If used improperly, batteries may explode or leak and cause damage or injury. In the interest of safety, please read and observe the following precautions (p. 38).

- Carefully follow the installation instructions for batteries, and make sure you observe the correct polarity.
- Avoid using new batteries together with used ones. In addition, avoid mixing different types of batteries.
- Remove the batteries whenever the unit is to remain unused for an extended period of time.
- If a battery has leaked, use a soft piece of cloth or paper towel to wipe all remnants of the discharge from the battery compartment. Then install new batteries. To avoid inflammation of the skin, make sure that none of the battery discharge gets onto your hands or skin.
  Exercise the utmost caution so that none of the discharge gets near your eyes. Immediately rinse the affected area with running water if any of the discharge has entered the eyes.
- Never keep batteries together with metallic objects such as ballpoint pens, necklaces, hairpins, etc.

Used batteries must be disposed of in compliance with whatever regulations for their safe disposal that may be observed in the region in which you live.

Keep the included SD card in a safe place out of children's reach, so there is no chance of them being swallowed accidentally.

IMPORTANT NOTES

Power Supply

- Do not connect this unit to same electrical outlet that is being used by an electrical appliance that is controlled by an inverter (such as a refrigerator, washing machine, microwave oven, or air conditioner), or that contains a motor. Depending on the way in which the electrical appliance is used, power supply noise may cause this unit to malfunction or may produce audible noise. If it is not practical to use a separate electrical outlet, connect a power supply noise filter between this unit and the electrical outlet.
- The AC adaptor will begin to generate heat after long hours of consecutive use. This is normal, and is not a cause for concern.
- Before connecting this unit to other devices, turn off the power to all units. This will help prevent malfunctions and/or damage to speakers or other devices.

Power Supply: Use of Batteries

- When installing or replacing batteries, always turn off the power on this unit and disconnect any other devices you may have connected. This way, you can prevent malfunction and/or damage to speakers or other devices.
- Batteries are supplied with the unit. The life of these batteries may be limited, however, since their primary purpose was to enable testing.
- If operating this product on batteries, please use alkaline batteries or rechargeable Ni-MH batteries.

Placement

- Using the unit near power amplifiers (or other equipment containing large power transformers) may induce hum. To alleviate the problem, change the orientation of this unit; or move it farther away from the source of interference.
- This device may interfere with radio and television reception. Do not use this device in the vicinity of such receivers.
- Noise may be produced if wireless communications devices, such as cell phones, are operated in the vicinity of this unit. Such noise could occur when receiving or initiating a call, or while conversing. Should you experience such problems, you should relocate such wireless devices so they are at a greater distance from this unit, or switch them off.
- Do not expose the unit to direct sunlight, place it near devices that radiate heat, leave it inside an enclosed vehicle, or otherwise subject it to temperature extremes. Excessive heat can deform or discolor the unit.
- When moved from one location to another where the temperature and/or humidity is very different, water droplets (condensation) may form inside the unit. Damage or malfunction may result if you attempt to use the unit in this condition. Therefore, before using the unit, you must allow it to stand for several hours, until the condensation has completely evaporated.
- Depending on the material and temperature of the surface on which you place the unit, its rubber feet may discolor or mar the surface.
  You can place a piece of felt or cloth under the rubber feet to prevent this from happening. If you do so, please make sure that the unit will not slip or move accidentally.
- Do not put anything that contains water on this unit. Also, avoid the use of insecticides, perfumes, alcohol, nail polish, spray cans, etc., near the unit. Swiftly wipe away any liquid that spills on the unit using a dry, soft cloth.

Maintenance

- For everyday cleaning wipe the unit with a soft, dry cloth or one that has been slightly dampened with water. To remove stubborn dirt, use a cloth impregnated with a mild, non-abrasive detergent. Afterwards, be sure to wipe the unit thoroughly with a soft, dry cloth.
- Never use benzine, thinners, alcohol or solvents of any kind, to avoid the possibility of discoloration and/or deformation.

Repairs and Data

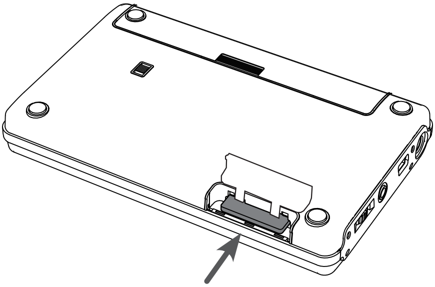
- Please be aware that all data contained in the unit's memory may be lost when the unit is sent for repairs. Important data should always be backed up SD cards, SDHC cards, Computer, or written down on paper (when possible). During repairs, due care is taken to avoid the loss of data. However, in certain cases (such as when circuitry related to memory itself is out of order), we regret that it may not be possible to restore the data, and Roland assumes no liability concerning such loss of data.

Additional Precautions

- Please be aware that the contents of memory can be irretrievably lost as a result of a malfunction, or the improper operation of the unit. To protect yourself against the risk of loosing important data, we recommend that you periodically save a backup copy of important data you have stored in the unit's memory on an SD card, an SDHC card, or a computer.
- Unfortunately, it may be impossible to restore the contents of data that was stored in the unit's memory, an SD card or an SDHC card once it has been lost. Roland Corporation assumes no liability concerning such loss of data.
- Use a reasonable amount of care when using the unit's buttons, or other controls; and when using its jacks and connectors. Rough handling can lead to malfunctions.
- Never strike or apply strong pressure to the display.
- When connecting / disconnecting all cables, grasp the connector itself—never pull on the cable. This way you will avoid causing shorts, or damage to the cable's internal elements.
- To avoid disturbing your neighbors, try to keep the unit's volume at reasonable levels. You may prefer to use headphones, so you do not need to be concerned about those around you.
- When you need to transport the unit, package it in the box (including padding) that it came in, if possible. Otherwise, you will need to use equivalent packaging materials.
- Some connection cables contain resistors. Do not use cables that incorporate resistors for connecting to this unit. The use of such cables can cause the sound level to be extremely low, or impossible to hear. For information on cable specifications, contact the manufacturer of the cable.

Using SD cards

- Carefully insert the SD card or the SDHC card all the way in—until it is firmly in place.



- Never touch the terminals of the SD card or the SDHC card. Also, avoid getting the terminals dirty.
- SD cards and SDHC cards are constructed using precision components; handle the cards carefully, paying particular note to the following.
    - To prevent damage to the cards from static electricity, be sure to discharge any static electricity from your own body before handling the cards.
    - Do not touch or allow metal to come into contact with the contact portion of the cards.
    - Do not bend, drop, or subject cards to strong shock or vibration.
    - Do not keep cards in direct sunlight, in closed vehicles, or other such locations.
    - Do not allow cards to become wet.
    - Do not disassemble or modify the cards.

Handling CDs / DVDs

- Avoid touching or scratching the shiny underside (encoded surface) of the disc. Damaged or dirty discs may not be read properly. Keep your discs clean using a commercially available disc cleaner.

IMPORTANT NOTES

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- The explanations in this manual include illustrations that depict what should typically be shown by the display. Note, however, that your unit may incorporate a newer, enhanced version of the system (e.g., includes newer sounds), so what you actually see in the display may not always match what appears in the manual.

Contents

USING THE UNIT SAFELY 4

IMPORTANT NOTES 6

Quick Start 15

What You Can Do With the BR-80 16

01 Recording Ideas for Songs (LIVE REC Mode) 18

02 Turning Your Idea Into a Song (MTR Mode) 22

03 Practicing Along With Your Completed Song (eBand Mode) 28

04 Connecting the BR-80 to Your Computer 32

Getting Ready 33

Panel Descriptions 34
- Top Panel 34
- Side Panel (left) 36
- Side Panel (right) 36
- Bottom Panel 37

Getting Ready to Use the BR-80 38
- Inserting Batteries 38
- Inserting an SD Card 39
- Connecting the External Equipment to the BR-80 40
- Turning the Power On/Off 41

Recording Ideas for Songs (LIVE REC Mode) 43

Recording Flow in LIVE REC Mode 44

Recording/Playback 45
- Switching to LIVE REC Mode 45
- Recording 46
  - Recording with the Metronome 46
- Playback 47
  - Playing Back Repeatedly (AB Repeat) 47
  - Specifying the Type of Playback (PLAY MODE) 48

Other Functions **49**
Adjusting the Recording Level **49**
Setting the Record Mode **49**
Making Settings for a Song (SONG INFO) **50**
Naming a Song (SONG NAME) **51**
Erasing a Song (SONG ERASE) **52**

Building Your Ideas Into a Song (MTR Mode) 53

Recording Flow in MTR Mode **54**

Recording/Playback **55**
Switching to MTR Mode **55**
Listen to the Demo Song **56**
Recording **57**
Creating a New Song (SONG NEW) **57**
Selecting a Song (SONG SELECT) **57**
Recording **58**
Selecting the Track(s) for Recording (REC TRACK) **59**
Playback **60**
Playing Back Repeatedly (AB Repeat) **60**
Re-Recording Only Over a Mistake (AUTO PUNCH IN/OUT) **61**
Recording **62**

Track Settings (the Mixer Screen) **63**
Viewing the Track Levels (Level Meter) **63**
Adjusting the Volume Balance (TRACK LEVEL) **63**
Creating a Stereo Track **63**
Adjusting the Stereo Position (TRACK PAN) **64**
Mute and Solo Settings (TRACK MUTE & SOLO) **64**
Adjusting the Tone (TRACK EQ) **64**
Making Detailed EQ Settings **65**
Adjusting the Reverb (REVERB SEND) **65**
Making Detailed Reverb Settings **65**
Selecting V-Tracks (V-TRACK) **66**

Using Effects **67**
Effect Patches and Categories **67**
Selecting an Effect **68**

Using Rhythm 69
  - Creating a Rhythm Progression (EDIT) 69
    - Inserting a Pattern 70
    - Deleting a Pattern 71
    - Initializing a Rhythm Progression 71
  - Changing the Drum Sounds (Kit) 72
  - Importing a Rhythm from SMF (SMF IMPORT) 72

Track Editing (TRACK EDIT) 74
  - Copying Track Data (TRACK COPY) 74
  - Moving Track Data (TRACK MOVE) 76
  - Erasing Track Data (TRACK ERASE) 76
  - Exchanging Data (TRACK EXCHANGE) 77
  - Importing Audio Data (TRACK IMPORT) 78
  - Cancelling an Operation (UNDO/REDO) 78
    - Returning to the Previous State (UNDO) 79
    - Canceling the Undo (REDO) 79

Mastering 80
  - Putting Multiple Tracks Together (BOUNCE) 80
  - Mastering (MASTERING) 81
    - Editing the Mastering Effect Settings 83
    - Saving the Mastering Effect Settings 84

Managing Your Songs (SONG) 85
  - Making Settings for a Song (SONG INFO) 85
    - Naming a Song (SONG NAME) 86
    - Protecting a Song (SONG PROTECT) 86
  - Erasing a Song (SONG ERASE) 87
  - Copying a Song (SONG COPY) 87
  - Saving Space on the SD Card (SONG OPTIMIZE) 88

Practicing Along With a Completed Song (eBand Mode) 89

Procedural Flow in eBand Mode 90

Playback/Recording 91
  - Switching to eBand Mode 91
  - Playback 92
    - Playing Back Repeatedly (AB Repeat) 92

Recording ... 93

Using the GUITAR/MIC IN Jack for Recording ... 93

Recording with the Built-in Microphones ... 93

Playback ... **94**

Selecting Songs (SONG) ... 94

Changing the Song's Speed or Pitch (SPEED) ... 95

Canceling Sounds in the Center (CENTER CANCEL) ... 96

Specifying the Type of Playback (PLAY MODE) ... 96

Using Effects ... **97**

Selecting an Effect ... 97

Apply Reverb ... 97

Other Functions ... **98**

Making Settings for a Song (SONG INFO) ... 98

Naming a Song (SONG NAME) ... 98

Erasing a Song (SONG ERASE) ... 99

Registering Your 30 Favorite Songs (BEST 30 EDIT) ... 100

Precise Adjustment of the Repeat Segment (AB EDIT) ... 100

Using the Metronome ... 101

Changing the Song and Effects Simultaneously (PATCH SYNC) ... 101

Other Convenient Functions ... **103**

Connecting the BR-80 to a Computer ... **104**

Before Using USB ... 104

Installing the USB Driver ... 104

Making Settings for USB Functionality ... 104

Data Structure on the SD Card ... 105

Exchanging Data with Your Computer ... 106

Transferring WAV Files ... 106

Using BR Series Wave Converter ... 107

Using eBand Song List Editor ... 107

Saving Data on Your Computer ... 107

Using the BR-80 as an Audio Interface ... 109

Recording Audio from the BR-80 on Your Computer ... 109

Contents

Detailed Effect Settings 110
Editing the Insert Effect Settings (EDIT) 110
Saving an Effect (WRITE/NAME) 111
Algorithm List 112
For Electric Guitar/Electric Bass 112
For Microphone 113
For Acoustic Guitar 113

Making Overall Settings 114
Adjusting the Input Sensitivity (INPUT) 114
System Settings (SYSTEM) 114
Viewing SD Card Usage (SD INFO) 115
Initializing an SD Card (FORMAT) 115
Initializing the Unit (FACTORY RESET) 116
Auto Power Off Settings 117

Tuning Your Instrument 118

Appendix 121

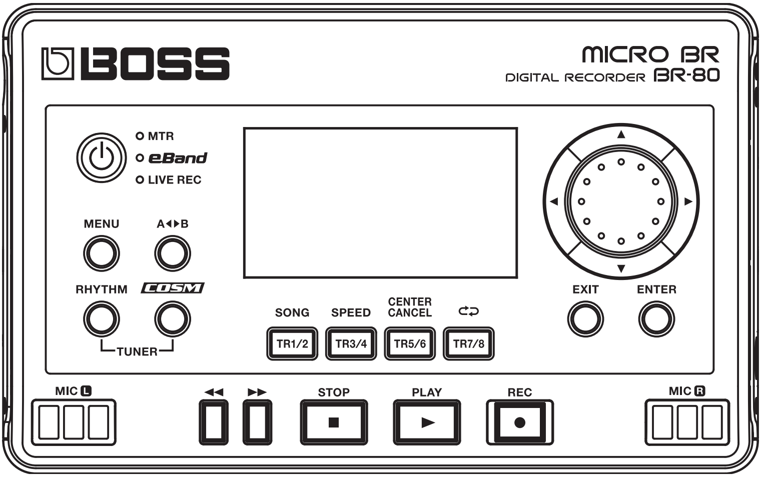
Troubleshooting 122
Problems with the Power Supply 122
Problems with the Sound 122
Problems with the SD Card 124
Problems with USB 124

Error Message List 125

Specifications 128

Index 130

Quick Start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SONG
SPEED
CENTER CANCEL
TR1/2
TR3/4
TR5/6
TR7/8
EXIT
ENTER
MIC L
◀◀
▶▶
STOP
PLAY
REC
MIC R

What You Can Do With the BR-80

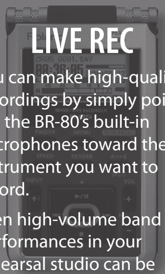
Record (LIVE REC mode: p. 18, p. 43)

Record your phrases or song ideas

You can use the stereo microphones that's built into the BR-80 to easily start recording right away.

Record your band's performance

You can bring the BR-80 to your rehearsal studio and record your band practice.



LIVE REC

You can make high-quality recordings by simply pointing the BR-80's built-in microphones toward the instrument you want to record.

Even high-volume band performances in your rehearsal studio can be recorded clearly.

Songs and ideas you've recorded in "LIVE REC mode" can be played back as "eBand mode" songs (p. 94).

Perform (eBand mode: p. 28, p. 89)

Play along with your favorite songs

You can use the eBand Song List Editor to import a song from a music CD or your computer, and play along with it.

Play along with internal rhythms

Numerous rhythm patterns are built in, so you can enjoy playing in a variety of musical styles.

eBand

The BR-80 packs audio player functionality and a great selection of Boss effects into a single unit.

Just connect your guitar, and you can enjoy playing powerful guitar sounds while backed by a song.

Play along with a completed song

Since the BR-80 lets you change the playback speed without changing the pitch, you can practice at your own tempo.

Songs and ideas you've recorded in "LIVE REC mode" can be imported into a track of "MTR mode" (p. 78).

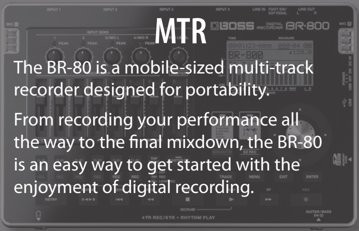
Create (MTR mode: p. 22, p. 53)

Create a song using rhythms and effects

The BR-80 provides everything you need to create a song: eight tracks, a rhythm track, and an array of effects.

Master your completed song

You can use the mastering toolkit to add finishing touches that enhance the tone quality of your song and give it more impact.



MTR

The BR-80 is a mobile-sized multi-track recorder designed for portability.

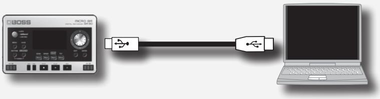
From recording your performance all the way to the final mixdown, the BR-80 is an easy way to get started with the enjoyment of digital recording.

You can immediately recall your completed song and play it back in "eBand mode" (p. 94).

A song you've recorded in "eBand mode" can be imported into a track of "MTR mode" (p. 78).

Connect your computer (p. 32, p. 104)

- You can import audio files from your computer, or copy a song created on the BR-80 to your computer.
- You can back up the BR-80's recorded data to your computer, and recover the backup when desired.
- You can apply effects to the BR-80's input sound and record the result on your computer, or play back sounds from your computer through speakers connected to the BR-80.



01 Recording Ideas for Songs (LIVE REC Mode)

What is LIVE REC Mode?

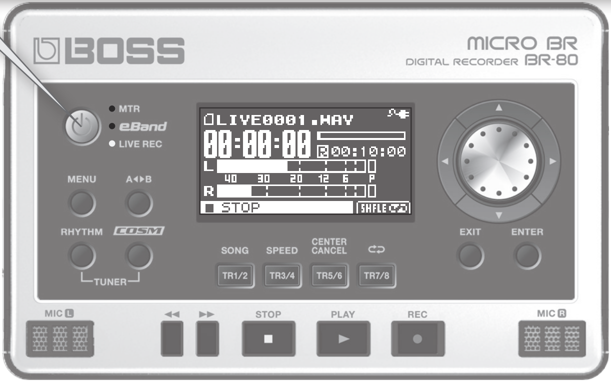
This mode lets you use the built-in microphones to easily record anywhere anytime. Since stereo condenser microphones are built in to the BR-80, you can also record acoustic guitar or vocals with crystal-clear fidelity.

The BR-80 can operate for plenty of time on batteries, so you can record even in locations where there's no AC outlet, such as in a park or on a street. It's a great way to collect natural sounds or city noises for use in a song.

Step 1 Get Ready to Record

1 Choose LIVE REC mode

1. **Press the [⏻] button to turn on the power.**
2. **Press the [⏻] button a number of times until the "LIVE REC" indicator is lit.**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eBand
LIVE REC
LIVE0001.WAV
00:00:00
R 00:10:00
L
40 30 20 12 6 P
R
STOP
SHFL
MENU
A◂▸B
RHYTHM
COSM
TUNER
SONG
SPEED
CENTER CANCEL
TR1/2
TR3/4
TR5/6
TR7/8
EXIT
ENTER
MIC L
STOP
PLAY
REC
MIC R

* In LIVE REC mode, you can only record via the stereo microphones that are built into the BR-80.

* Effects are not applied in LIVE REC mode.

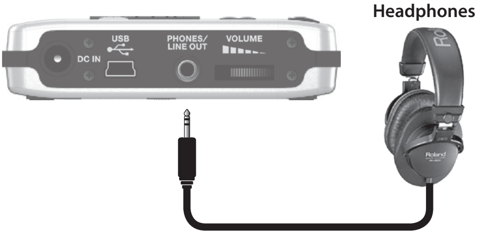
Connecting Headphones

The BR-80 does not contain speakers.

In order to hear the sound, you'll need to connect an audio device such as monitor speakers or a stereo system, or headphones.

When recording, you should use headphones in order to avoid acoustic feedback.

1. **Connect commercially available stereo headphones to the PHONES/LINE OUT jack on the side panel (left).**

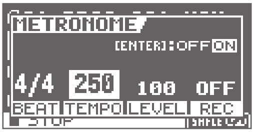


Recording With the Metronome

If you use the metronome, you'll be able to record at a stable tempo.

1. **Press the [RHYTHM] button.**
2. **Use the [VOLUME] dial to adjust the volume.**
3. **Use the cursor buttons to move the cursor to "TEMPO," and use the dial to specify the tempo.**

   You can set the tempo to any value from 25 to 250.


METRONOME
[ENTER]:OFF ON
4/4 250 100 OFF
BEAT TEMPO LEVEL REC

4. **Press the [EXIT] button.**

   If monitor speakers are connected when you're recording with the metronome, the sound of the metronome will be included in the performance that you're recording. If you don't want to record the sound of the metronome, you'll have to use headphones.

What is feedback?

Feedback is the oscillation (squeal or buzz) that occurs when the microphone is too close to the speaker.

This occurs when the output of the speaker is input back into the microphone, amplified, and output once again from the speaker.

Step 2 Record

1 Adjust the recording level

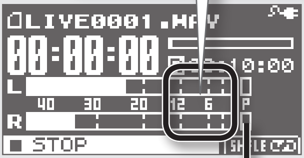
1. **Press the [●] (REC) button.**

   The BR-80 will enter recording-standby mode.

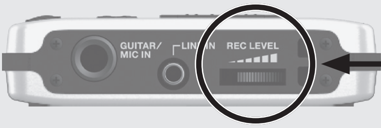
2. **While actually performing, use the [REC LEVEL] dial located on the right side of the BR-80 to adjust the recording level.**

   While you perform, make adjustments so that the INPUT level meter is moving in the range of 12–P (-12–0 dB).

Adjust so the level meter moves within this range.


LIVE0001.WAV
00:00:00
00:10:00
L
40 30 20 12 6 P
R
STOP
SHFLE

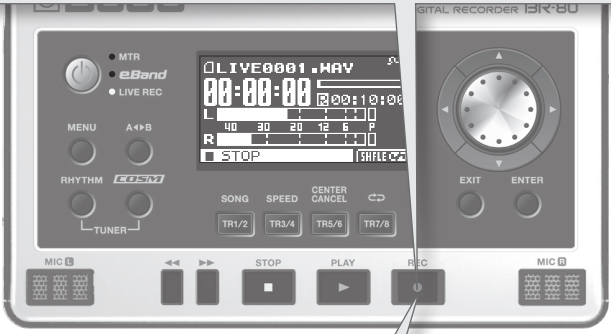
If the P (PEAK indicator) lights, the sound will distort.


GUITAR/ MIC IN
LINE IN
REC LEVEL

[REC LEVEL] dial

* When adjusting the recording level, you might notice a little noise; this is normal and does not indicate malfunction.

3. **Use the [VOLUME] dial to adjust the volume.**


GITAL RECORDER BR-80
MTR
eBand
LIVE REC
LIVE0001.WAV
00:00:00
00:10:00
L
40 30 20 12 6 P
R
STOP
SHFLE
MENU
A◂▸B
RHYTHM
COSM
TUNER
SONG
SPEED
CENTER CANCEL
TR1/2
TR3/4
TR5/6
TR7/8
EXIT
ENTER
MIC L
STOP
PLAY
REC
MIC R

2 Record

1. **Press the [●] (REC) button.**

   Recording will start.

2. **Press the [■] (STOP) button to stop recording.**

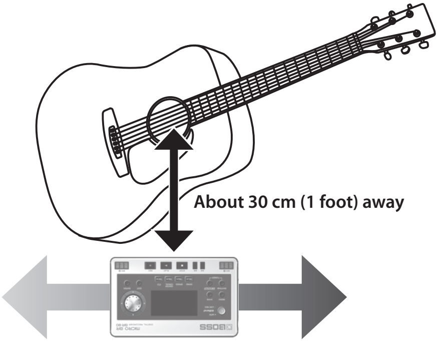
   When recording stops, a file name will automatically be assigned, and the data will be saved.

Tips for Recording

Microphone position

For an acoustic guitar, place the BR-80 so that it's about 30 cm (1 foot) from the body of the guitar, and that the sound hole of the guitar is between the left and right microphones.

This will let you record a sound that has a good balance from the low to high frequency ranges, and also captures the body resonances of the instrument.



Toward end pin
Body resonances are emphasized

Center
A good balance from high to low ranges

Toward head
String sound is emphasized

Alternatively, you can emphasize the body resonances by positioning the bridge and end pins of the instrument between the microphones, or capture a brighter sound by aiming the microphones toward the head of the instrument.

Recording level

If you're recording a low-volume performance, such as one employing finger picking, you can record with less noise by locating the microphones closer to the instrument rather than by raising the recording level.

Listen to the Recorded Sound

1. **Use the dial to select the file that you want to play back.**
2. **Press the [▶] (PLAY) button.**

   Playback will begin.

   To adjust the playback volume, use the [VOLUME] dial located on the side panel (left).
3. **Press the [■] (STOP) button to stop playback.**

02 Turning Your Idea Into a Song (MTR Mode)

What is MTR Mode?

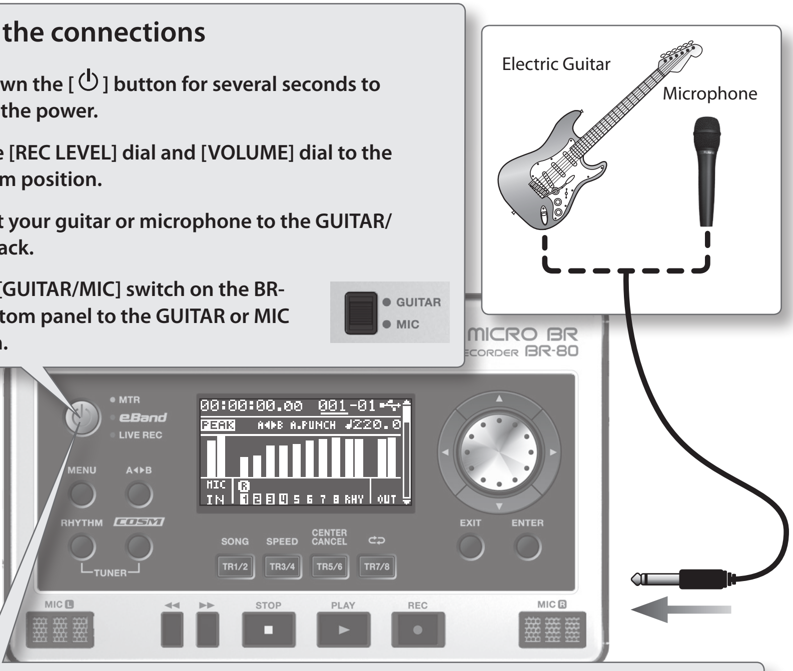
In MTR mode, the BR-80 functions as a multi-track recorder that lets you create a finished song.

You'll be able to play multiple tracks simultaneously, and use V-tracks to record multiple takes of a guitar solo and then choose the best one.

Step 1 Prepare for Recording

1 Make the connections

1. **Hold down the [⏻] button for several seconds to turn off the power.**
2. **Turn the [REC LEVEL] dial and [VOLUME] dial to the minimum position.**
3. **Connect your guitar or microphone to the GUITAR/MIC IN jack.**
4. **Set the [GUITAR/MIC] switch on the BR-80's bottom panel to the GUITAR or MIC position.**


Electric Guitar
Microphone
GUITAR
MIC
MICRO BR
RECORDER BR-80
MTR
eBand
LIVE REC
00:00:00.00 001-01
PEAK A◂▸B A.PUNCH ♩220.0
MIC IN
1 2 3 4 5 6 7 8 RHY OUT
MENU
A◂▸B
RHYTHM
COSM
TUNER
SONG
SPEED
CENTER CANCEL
TR1/2
TR3/4
TR5/6
TR7/8
EXIT
ENTER
MIC L
STOP
PLAY
REC
MIC R

2 Select MTR mode

1. **Press the [⏻] button to turn on the power.**
2. **Press the [⏻] button a number of times until the "MTR" indicator is lit.**
3. **While actually performing, adjust the recording level by gradually raising the [REC LEVEL] dial located on the BR-80's right side.**
4. **Gradually raise the [VOLUME] dial to adjust the output volume.**

Step 2 Create a New Song

1 Create a New Song

1. **Press the [MENU] button.**
2. **Use the cursor buttons to move the cursor to "SONG," and press the [ENTER] button.**
3. **Use the cursor buttons to move the cursor to "NEW," and press the [ENTER] button.**
4. **Use the dial to select the desired genre of song template, and then press the [ENTER] button.**

Song Templates

Song templates contain rhythms and effects that are suitable for the genre you choose.

It's easy to create a new song; just choose a template.

2 Select an effect

1. **Press the [COSM] button.**
2. **Use the cursor buttons to select "CATEGORY," and then use the dial to choose the desired category.**
3. **Use the cursor buttons to move the cursor to "PATCH," and then use the dial to choose a patch.**

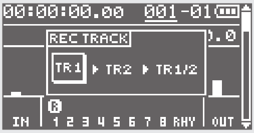
   The effect will turn on/off each time you press the [COSM] button.
4. **After you've chosen an effect, press the [EXIT] button a number of times to return to the level meter screen.**

   The following seven types of effects are provided.

- For E. Guitar
- Guitar to Bass
- Acoustic Simulator
- For E.Bass
- A. Guitar Multi
- For Vocal
- For the built-in microphones

Step 3 Recording/Multi-track Recording

1 Record


00:00:00.00 001-01
REC TRACK
TR1 ▶ TR2 ▶ TR1/2
IN
1 2 3 4 5 6 7 8 RHY
OUT

1. **Press the track button of the track you want to record.**

   The REC TRACK screen will appear.

2. **Press the track button a number of times to select the recording track.**

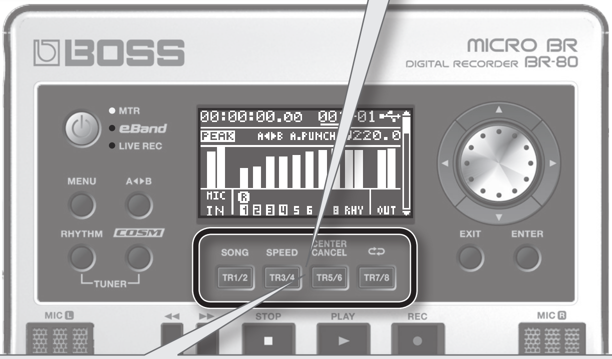
   The recording track will switch each time you press the track button.

3. **Press the [●] (REC) button.**

   The BR-80 will enter recording-standby mode.

4. **Press the [▶] (PLAY) button to start recording.**

5. **Press the [■] (STOP) button to stop recording.**


BOSS
MICRO BR
DIGITAL RECORDER BR-80
MTR
eBand
LIVE REC
MENU
A◀▶B
RHYTHM
COSM
TUNER
00:00:00.00 001-01
PEAK A◀▶B A.PUNCH 220.0
MIC IN
OUT
SONG
SPEED
CENTER CANCEL
TR1/2
TR3/4
TR5/6
TR7/8
EXIT
ENTER
MIC L
STOP
PLAY
REC
MIC R

2 Record a performance on another track

1. **Hold down the [■] (STOP) button and press the [◀◀] button to return to the beginning of the song.**

2. **Use the track buttons to select a different recording track.**

3. **Press the [●] (REC) button.**

4. **Press the [▶] (PLAY) button to start recording.**

5. **Press the [■] (STOP) button to stop recording.**

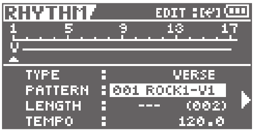
Tips for Recording

Setting the tempo

Here’s how to adjust the tempo of the rhythm that sounds during recording and playback.

1. **Press the [RHYTHM] button.**
2. **Use the cursor buttons to move the cursor to “TEMPO,” and use the dial to set the tempo.**

   You can set the tempo in the range of 25.0–250.0.



TYPE : VERSE
PATTERN : 001 ROCK1-V1
LENGTH : --- (002)
TEMPO : 120.0

3. **Press the [EXIT] button a number of times to return to the Mixer screen.**

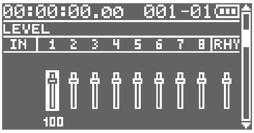
Play Back

1. **Hold down the [■] (STOP) button and press the [◀◀] button to return to the beginning of the song.**
2. **Press the [▶] (PLAY) button to start playback.**

   If you press the cursor [▲] [▼] buttons to access the TRACK SOLO&MUTE screen (p. 64), you’ll be able to make solo and mute settings for each track.

Adjusting the Volume Balance of the Tracks

1. **Press the cursor [▲] [▼] buttons to access the TRACK LEVEL screen.**



2. **Press the [▶] (PLAY) button to start playback.**
3. **Use the cursor buttons to select the track whose volume you want to adjust, and use the dial to adjust the volume.**

   If you use the cursor [▲] [▼] buttons to switch screens, you can also adjust PAN (p. 64), EQ (p. 64), and reverb send (p. 65).

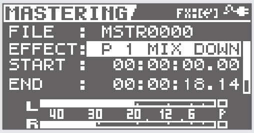
Step 4 Mastering

Mastering is the process of adding the final polish to your song by using a special effect called the "Mastering toolkit," which boosts the perceived loudness and power of the overall song, and improves the tonal balance to make it more listenable.

1 Select mastering mode

1. **Adjust the volume balance of the tracks before you begin mastering (p. 63).**
2. **Press the [MENU] button.**
3. **Use the cursor buttons to move the cursor to "MASTERING/BOUNCE," and press the [ENTER] button.**
4. **Use the cursor buttons to move the cursor to "MASTERING," and press the [ENTER] button.**

   The MASTERING screen will appear.



MASTERING

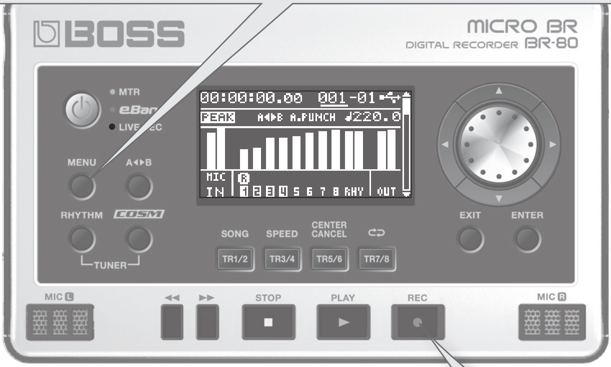
FILE : MSTR0000

EFFECT: P 1 MIX DOWN

START : 00:00:00.00

END : 00:00:18.14

FX
L
R
40
30
20
12
6
P



BOSS
MICRO BR
DIGITAL RECORDER BR-80
MTR
eBand
LIVE REC
00:00:00.00 001-01
PEAK A◂▸B A.PUNCH ♩220.0
MIC IN
1 2 3 4 5 6 7 8 RHY
OUT
MENU
A◂▸B
RHYTHM
COSM
TUNER
SONG
SPEED
CENTER CANCEL
TR1/2
TR3/4
TR5/6
TR7/8
EXIT
ENTER
MIC L
STOP
PLAY
REC
MIC R

2 Mastering

1. **Select EFFECT using the cursor buttons, then use the dial to select the Mastering Effect.**
2. **Press the [●] (REC) button and then, press the [▶] (PLAY) button.**

   Mastering will begin. Mastering will stop automatically upon reaching the time set for END.

Tips for Mastering

Adjusting the master level

To get a powerful sounding recording, raise the volume until it is as high as you can get it without causing the sound to distort.

1. **Select mastering mode.**
2. **Press the [▶] (PLAY) button to play back the song.**
3. **In the MASTERING screen, move the cursor to "LEVEL" and then use the dial to adjust the master level.**

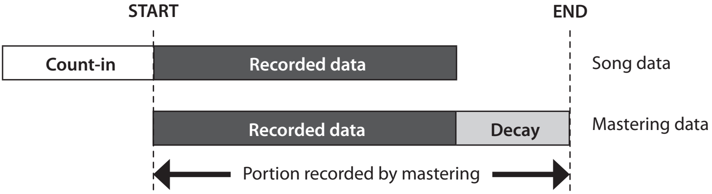
   Adjust the level so that the sound you hear does not distort.

Adjusting the START time

With songs that start with a count-in, you can have mastering start after the count-in by changing the START time for mastering.

Adjusting the END time

By adjusting the END time for mastering to a point later than the end of the song data, you can prevent the decay at the end of the song from being cut off unnaturally.



Making a WAVE file from the song

The completed song created by mastering is saved as a WAVE file in the MASTERING folder on the SD card.

You can use "eBand mode" to play it back, or copy it to your computer and burn it to a CD.

03 Practicing Along With Your Completed Song (eBand Mode)

What is eBand Mode?

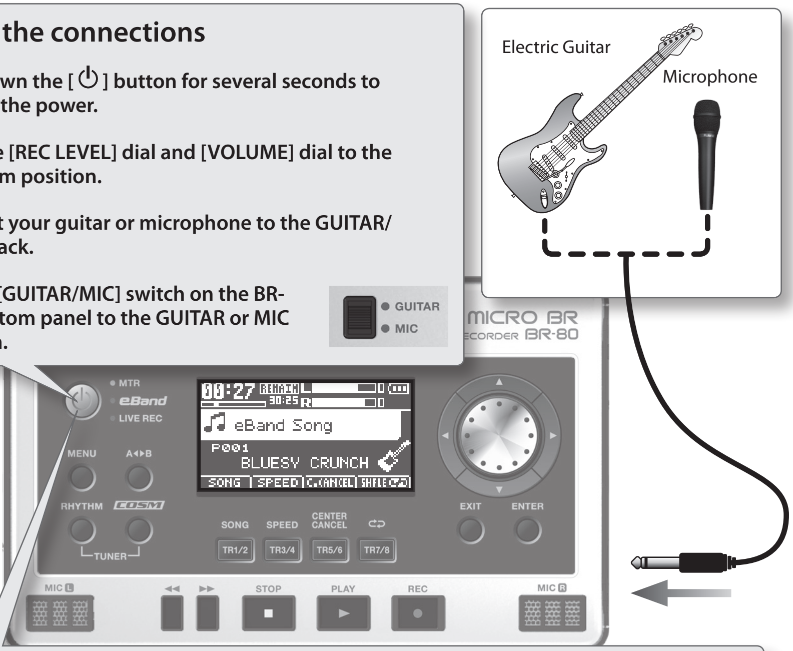
You can enjoy playing your guitar along with a favorite song.

You can also record your guitar playing together with the backing song. This is also a great way to practice guitar, since you can adjust the song's playback speed or playback pitch, or use the center cancel function.

Step 1 Get Ready to Play

1 Make the connections

1. **Hold down the [⏻] button for several seconds to turn off the power.**
2. **Turn the [REC LEVEL] dial and [VOLUME] dial to the minimum position.**
3. **Connect your guitar or microphone to the GUITAR/MIC IN jack.**
4. **Set the [GUITAR/MIC] switch on the BR-80's bottom panel to the GUITAR or MIC position.**


GUITAR
MIC
Electric Guitar
Microphone
MICRO BR
ECORDER BR-80
MTR
eBand
LIVE REC
00:27 REMAIN 30:25 L R
eBand Song
P001
BLUESY CRUNCH
SONG SPEED C.CANCEL SHFLE
MENU
A◀▶B
RHYTHM
COSM
TUNER
SONG
SPEED
CENTER CANCEL
TR1/2
TR3/4
TR5/6
TR7/8
EXIT
ENTER
MIC L
STOP
PLAY
REC
MIC R

2 Select eBand mode (p. 91)

1. **Press the [⏻] button to turn on the power.**
2. **Press the [⏻] button a number of times until the "eBand" indicator is lit.**
3. **While actually performing, adjust the recording level by gradually raising the [REC LEVEL] dial located on the BR-80's right side.**
4. **Gradually raise the [VOLUME] dial to adjust the output volume.**

Step 2 Selecting a Song and Effect

1 Select a song

1. **Press the [TR1/2] (SONG) button.**

2. **Use the cursor buttons to move the cursor to "ALL SONGS," and press the [ENTER] button.**

3. **Use the dial to select a song, and press the [ENTER] button.**

   The BR-80 can narrow down the song display so that you can find the desired song more quickly (p. 94).

2 Select an effect

1. **Press the [COSM] button.**

2. **Use the cursor buttons to move the cursor to "CATEGORY," and use the dial to choose a category.**

3. **Use the cursor buttons to move the cursor to "PATCH," and use the dial to choose a patch.**

4. **After you've chosen an effect, press the [EXIT] button a number of times to return to the basic screen.**

   Effects suitable for guitar are already assigned to the BR-80's internal songs, so you can simply select a song and start playing.

   If you're playing an instrument other than guitar (e.g., bass or microphone), turn off patch sync (p. 101).

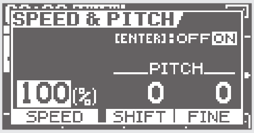
Step 3 Practicing at a Different Speed

You can use the phrase trainer function to slow down the song's playback speed in order to practice a rapid phrase, or use the center cancel function while playing along with the song.

1

Change the speed

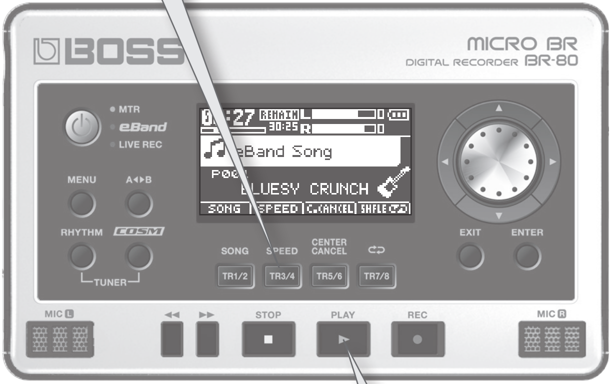
1. **Press the [TR3/4] (SPEED) button.**
2. **Use the cursor buttons to select "SPEED," and use the dial to adjust the speed.**



SPEED & PITCH
[ENTER]:OFF ON
PITCH
100(%) 0 0
SPEED SHIFT FINE

With the 100% setting, the song will play at its original speed.

Changing the speed won't affect the pitch.


BOSS
MICRO BR
DIGITAL RECORDER BR-80
MTR
eBand
LIVE REC
eBand Song
BLUESY CRUNCH
SONG
SPEED
C.CANCEL
SHFL
MENU
A◄►B
RHYTHM
COSM
TUNER
SONG
SPEED
CENTER CANCEL
TR1/2
TR3/4
TR5/6
TR7/8
EXIT
ENTER
MIC L
STOP
PLAY
REC
MIC R

2

Practice

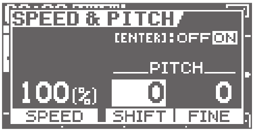
1. **Press the [▶] (PLAY) button.**

   The song will begin playing back.

2. **Play along with the song.**

Tips for the Phrase Trainer

SPEED ([TR3/4] button)



* The SPEED and PITCH function apply only to the song that you're playing back.

SPEED

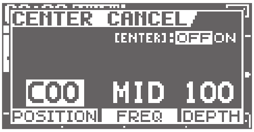
Since you can slow down the speed without changing the pitch, rapid phrases will be easier to figure out.

PITCH

You can change the key of the song by raising or lowering the pitch without changing the speed.

Parameter	Explanation
SPEED	Changes the song's playback speed.
SHIFT	Raises/lowers the pitch in semitones.
FINE	Adjusts the pitch in 1-cent steps. (100 cents = semitone)

CENTER CANCEL ([TR5/6] button)



This function makes sounds located in the center of the stereo sound field (e.g., vocals or guitar solo) less noticeable, allowing you to easily use the song as a "minus-one" song for karaoke or practicing.

* CENTER CANCEL can be used for a song being played back, and can also be applied to sound input via the LINE IN jack or the USB connector.

Parameter	Explanation
POSITION	Specifies the position of the sound that you want to eliminate. L50: left, C00: center, R50: right
FREQ	Specifies the frequency range of the sound that you want to eliminate.
DEPTH	Increasing this value will make the effect stronger.

Recording your performance

Here's how to record the exact sound you're playing in eBand mode.

1. **Press the [●] (REC) button.**

   Recording will begin. Silence will also be recorded until you start playback.

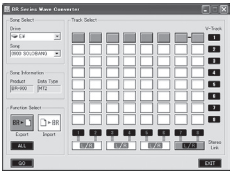
2. **Press the [▶] (PLAY) button to start playback.**

   The song will play back. Play along with the song.

3. **Press the [■] (STOP) button to stop recording.**

Transferring Recorded Data To/From Your Computer

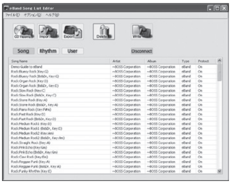
BOSS BR Series Wave Converter



Drive: E:¥
Song: 0900: SOLOBANG
Product: BR-900
Data Type: MT2

- Audio track data recorded in the BR-80's MTR mode can be converted to a WAV/AIFF file
- A WAV/AIFF file from your computer can be converted to BR-80 audio track data.
- Once converted, the WAV/AIFF files can be loaded into SONAR or other DAW software.

eBand Song List Editor



Song Name	Artist	Album	Type	Protect
Demo:Guide to eBand	~BOSS Corporation	~BOSS Corporation	eBand	On
Rock:Bluesy Rock (Key:G)	~BOSS Corporation	~BOSS Corporation	eBand	On
Rock:Bluesy Rock (Bs&Dr, Key:G)	~BOSS Corporation	~BOSS Corporation	eBand	On
Rock:Organ Rock (Key:D)	~BOSS Corporation	~BOSS Corporation	eBand	On
Rock:Organ Rock (Bs&Dr, Key:D)	~BOSS Corporation	~BOSS Corporation	eBand	On
Rock:Slow Rock (Key:C)	~BOSS Corporation	~BOSS Corporation	eBand	On
Rock:Slow Rock (Bs&Dr, Key:C)	~BOSS Corporation	~BOSS Corporation	eBand	On
Rock:Stone Rock (Key:A)	~BOSS Corporation	~BOSS Corporation	eBand	On
Rock:Stone Rock (Bs&Dr, Key:A)	~BOSS Corporation	~BOSS Corporation	eBand	On
Rock:Piano Rock (Key:F#m)	~BOSS Corporation	~BOSS Corporation	eBand	On
Rock:Fast Rock (Key:D)	~BOSS Corporation	~BOSS Corporation	eBand	On
Rock:Fast Rock (Bs&Dr, Key:D)	~BOSS Corporation	~BOSS Corporation	eBand	On
Rock:Medium Rock1 (Key:D)	~BOSS Corporation	~BOSS Corporation	eBand	On
Rock:Medium Rock1 (Bs&Dr, Key:C)	~BOSS Corporation	~BOSS Corporation	eBand	On
Rock:Medium Rock2 (Key:Am)	~BOSS Corporation	~BOSS Corporation	eBand	On
Rock:Medium Rock2 (Bs&Dr, Key:Am)	~BOSS Corporation	~BOSS Corporation	eBand	On
Rock:Straight Rock (Key:A)	~BOSS Corporation	~BOSS Corporation	eBand	On
Rock:Pink Echo (Key:Gm)	~BOSS Corporation	~BOSS Corporation	eBand	On
Rock:Pink Echo (Bs&Dr, Key:Gm)	~BOSS Corporation	~BOSS Corporation	eBand	On
Rock:Clav Rock (Key:Em)	~BOSS Corporation	~BOSS Corporation	eBand	On
Rock:Reggae Punk (Key:A)	~BOSS Corporation	~BOSS Corporation	eBand	On
Rock:Reggae Punk (Bs&Dr, Key:A)	~BOSS Corporation	~BOSS Corporation	eBand	On
Rock:Funky Rhythm (Key:E)	~BOSS Corporation	~BOSS Corporation	eBand	On

- Songs from a music CD or audio files from your computer (WAV/AIFF/MP3 files) can be imported as song data (eBand songs) for the BR-80's eBand mode.
- You can also enter or edit information (song title/artist name) for the imported eBand song.

"BOSS BR Series Wave Converter" and "eBand Song List Editor" are on the included SD card. For details on installation, refer to "ReadmeEN.txt" on the included SD card. For details on use, refer to the online help included with the software.

Saving Data on Your Computer (Backup/Recovery)

- When the SD card becomes full, or when you have important data that you want to keep, you can save (back up) the data to your computer.

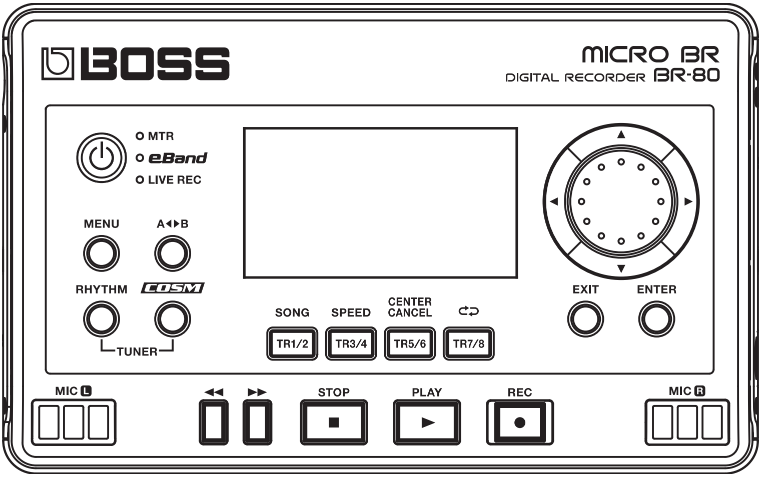
For details, refer to "Saving Data on Your Computer" (p. 107).

Using the BR-80 as an Audio Interface

- Before you use the BR-80 as an audio interface, you must install the USB driver in your computer. The USB driver is on the included SD card.
- You can use software on your computer to record the audio input via the BR-80's GUITAR/MIC IN jack or LINE IN jack. The audio input via the GUITAR/MIC IN jack can also be processed by an effect while you record.
- You can also use speakers or headphones connected to the BR-80 to listen to sounds that you play back on your computer, or you can record these sounds into a BR-80 song.

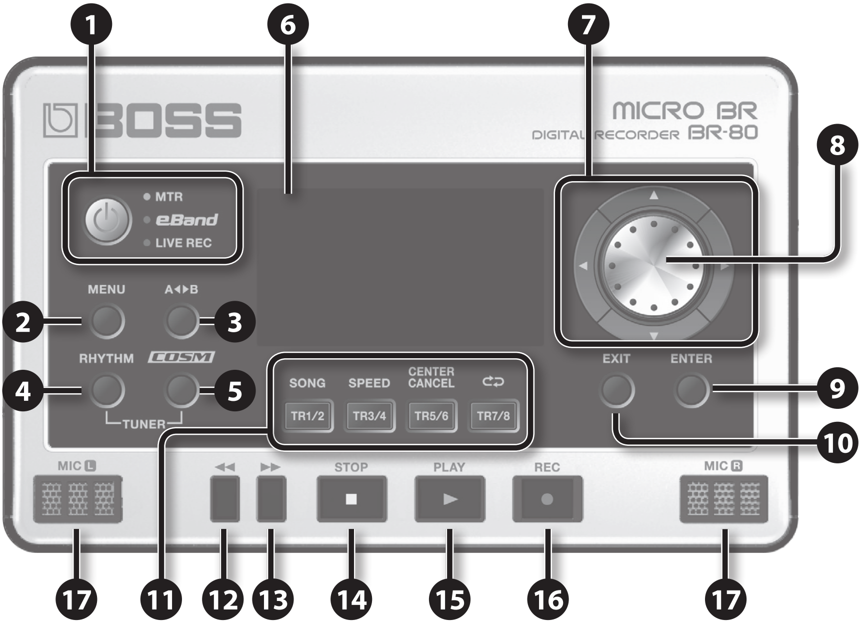
For details, refer to "Using the BR-80 as an Audio Interface" (p. 109).

Getting Ready


BOSS
MICRO BR
DIGITAL RECORDER BR-80
MTR
eBand
LIVE REC
MENU
A◀▶B
RHYTHM
COSM
TUNER
SONG
SPEED
CENTER CANCEL
TR1/2
TR3/4
TR5/6
TR7/8
EXIT
ENTER
MIC L
◀◀
▶▶
STOP
PLAY
REC
MIC R

Panel Descriptions

Top Panel


1
6
7
8
BOSS
MICRO BR
DIGITAL RECORDER BR-80
MTR
eBand
LIVE REC
MENU
A◀▶B
2
3
RHYTHM
COSM
4
5
TUNER
SONG
SPEED
CENTER CANCEL
TR1/2
TR3/4
TR5/6
TR7/8
EXIT
ENTER
9
10
MIC L
◀◀
▶▶
STOP
PLAY
REC
MIC R
17
11
12
13
14
15
16
17

1 [⏻] (Power) button

This turns the power on/off. To turn the power off, press and hold this button for a few seconds.

Also, pressing the [⏻] button cycles you through the available modes like this: MTR mode → eBand mode → LIVE REC mode → MTR mode...

2 [MENU] button

This button accesses various functions, such as settings for the entire BR-80.

3 [A◀▶B] button

Use this button to specify a section to be played back repeatedly.

4 [RHYTHM] button

In MTR mode, calls up the screen where you can change (edit) the settings for the rhythm.

In eBand mode and LIVE REC mode, it turns on the metronome.

To use the built-in tuner, hold down the [RHYTHM] button and press the [COSM] button (p. 118).

5 [COSM] button

This button accesses a screen in which you can turn the insert effect on/off and edit its settings.

To use the built-in tuner, hold down the [RHYTHM] button and press the [COSM] button (p. 118).

⑥ Display

This shows various types of information depending on the settings you're making, such as volume levels, and menu screens.
If you find the display screen difficult to read, refer to "LCD CONTRAST" (p. 114), "LCD BACKLIGHT" (p. 114).

⑦ Cursor buttons

These buttons move the cursor.

⑧ Dial

Use this to move the current location of the song (fast-forward or rewind). When making settings for various functions, this dial is used to edit values.

⑨ [ENTER] button

This button confirms a selection or finalizes an entry.

⑩ [EXIT] button

This button returns you to the previous screen, or cancels an operation.

⑪ Track buttons ([TR1/2] [TR3/4] [TR5/6] [TR7/8])

Use these buttons to select a track to be recorded or played back. In some screens, these buttons also operate as function buttons. Their functions will differ depending on the mode.

For example, wherever [TR1/2] (SONG) button appears in this manual, it means that pressing [TR1/2] button will select "SONG," which is shown in the screen.

⑫ [◀◀] button

The song will continue rewinding while you hold down this button. By holding down the [■] (STOP) button and pressing the [◀◀] button, you can return to the beginning of the song.

⑬ [▶▶] button

The song will continue fast-forwarding while you hold down this button.

⑭ [■] (STOP) button

This button stops recording/playback. By holding down the [■] (STOP) button and pressing the [◀◀] button, you can return to the beginning of the song.

⑮ [▶] (PLAY) button

This button plays the song.

If the [●] (REC) button is blinking, pressing [▶] (PLAY) button will start recording. This button will light green during playback.

⑯ [●] (REC) button

This is the Recording button.
While in recording standby, this button will blink red, and will change to steadily lit red during recording.

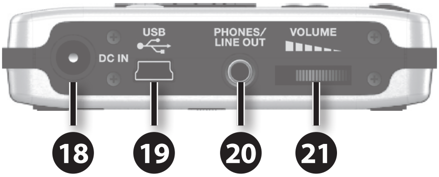
⑰ MIC L/R (Built-in stereo microphones L/R)

You can use these microphones to record in stereo.
Speakers are not built in. In order to hear the sound, you'll need to use headphones or connect amplified speakers (p. 40).

Track button functions

Mode	[TR1/2] button	[TR3/4] button	[TR5/6] button	[TR7/8] button
MTR mode	Select the recorded track			
eBand mode	SONG	SPEED	CENTER CANCEL	Switch the Play mode
LIVE REC mode	–	–	–	

Side Panel (left)



18 DC IN jack

An AC adaptor (PSA series, sold separately) can be connected here.

19 USB Connector (Mini B type)

Use this connector to connect the BR-80 to your computer via a USB cable. When connected to a computer, you'll be able to do the following things.

- Use the BR-80 as an audio interface
- Transfer audio data to and from the computer
- Back up BR-80 data to your computer

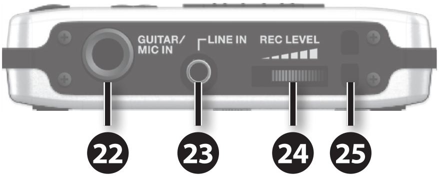
20 PHONES/LINE OUT jack (Stereo mini type)

This is an output jack for connecting stereo headphones (sold separately) or external audio equipment.

21 [VOLUME] dial

Adjusts the volume of the output from PHONES/LINE OUT jack.

Side Panel (right)



22 GUITAR/MIC IN jack (1/4" phone type)

You can connect your guitar, bass, or microphone to this input jack.

Use the [GUITAR/MIC] select switch (located on the bottom panel) to switch this input between high impedance (when using a guitar or bass) or low impedance (when using a microphone).

* Use a monaural dynamic microphone. The BR-80 does not support condenser microphones.

23 LINE IN jack (Stereo mini type)

The output of your digital audio player can be connected to this jack.

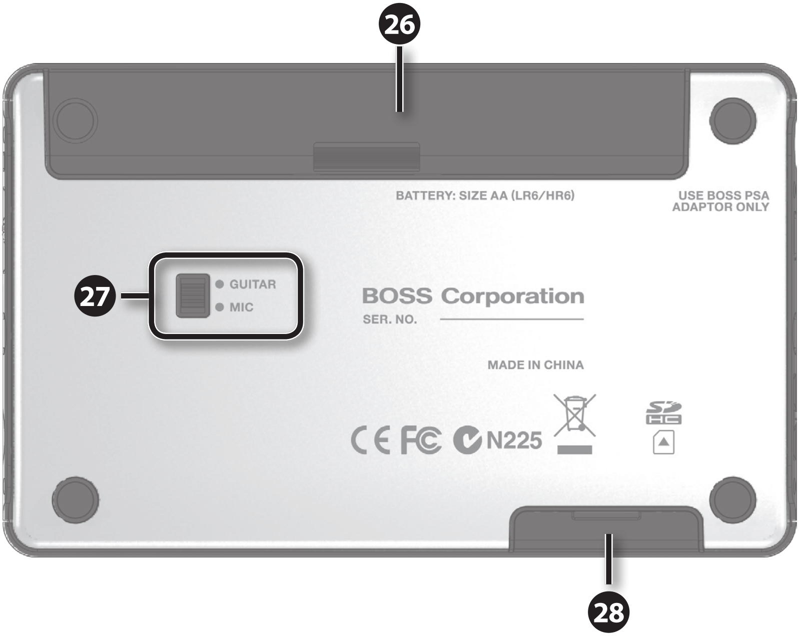
24 [REC LEVEL] dial

This dial adjusts the volume of the input source, such as a guitar or microphone. This will determine the level of the material recorded on the track.

25 Strap hole

The strap can be passed through this hole.

Bottom Panel


26
BATTERY: SIZE AA (LR6/HR6)
USE BOSS PSA ADAPTOR ONLY
27
GUITAR
MIC
BOSS Corporation
SER. NO.
MADE IN CHINA
N225
28

㉖ Battery compartment cover

The BR-80 can operate on two commercially available AA alkaline batteries or rechargeable nickel-metal hydride batteries.

* The BR-80 cannot recharge nickel-metal hydride batteries.

㉗ GUITAR/MIC select switch

Depending on the device that's connected to the GUITAR/MIC IN jack, set this to the guitar (high impedance device) or microphone (low impedance device) position.

㉘ Memory card slot

Open this cover and insert an SD card.

The BR-80 is shipped from the factory with the included SD card inserted.

This SD card contains song data, rhythm data, the USB driver, eBand Song List Editor, and BR Series Wave Converter.

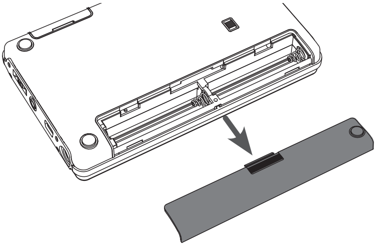
* Before you use the BR-80, you should make a backup of the included SD card. For details on how to make a backup, refer to "Saving Data on Your Computer" (p. 107).

Getting Ready to Use the BR-80

Inserting Batteries

1. **Make sure that power is off.**

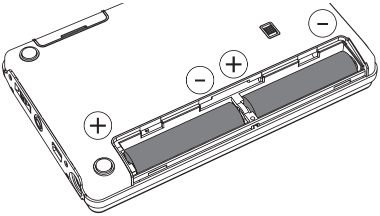
2. **On the bottom of the BR-80, slide the battery cover in the direction indicated by the arrow, and remove it.**



NOTE

- Take care that foreign objects (flammable items, coins, pins, etc.) or liquids (water, juice, etc.) do not enter the unit while the battery compartment cover is removed.

3. **Install two AA batteries, making sure to observe the correct polarity (+/-).**



4. **Reattach the battery compartment cover.**

MEMO

If you want to remove the batteries, turn off power to the BR-80 first; then take out the batteries.

- If used improperly, batteries may explode or leak and cause damage or injury. In the interest of safety, please read and observe the following precautions.
  - Carefully follow the installation instructions for batteries, and make sure you observe the correct polarity.
  - Avoid using new batteries together with used ones. In addition, avoid mixing different types of batteries.
  - Remove the batteries whenever the unit is to remain unused for an extended period of time.
  - If a battery has leaked, use a soft piece of cloth or paper towel to wipe all remnants of the discharge from the battery compartment. Then install new batteries. To avoid inflammation of the skin, make sure that none of the battery discharge gets onto your hands or skin. Exercise the utmost caution so that none of the discharge gets near your eyes. Immediately rinse the affected area with running water if any of the discharge has entered the eyes.
  - Never keep batteries together with metallic objects such as ballpoint pens, necklaces, hairpins, etc.
- When the batteries run low, the display will indicate "Battery Low!" When this message appears, replace the batteries as soon as possible.
- The battery life will depend on the conditions of use and on the model of batteries. It will also be affected by the type and capacity of the SD card.
- When installing or replacing batteries, always turn off the power on this unit and disconnect any other devices you may have connected. This way, you can prevent malfunction and/or damage to speakers or other devices.
- Batteries are supplied with the unit. The life of these batteries may be limited, however, since their primary purpose was to enable testing.
- If operating this product on batteries, please use alkaline batteries or rechargeable Ni-MH batteries.
- Expected battery life under continuous use:

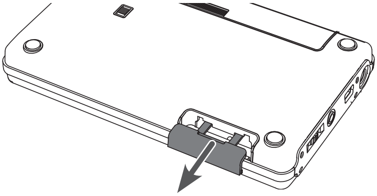
  Alkaline dry cell batteries: Approx. 6 hours
  These figures will vary depending on the actual conditions of use.

Inserting an SD Card

Here’s how to open the card cover.

Removing the card cover

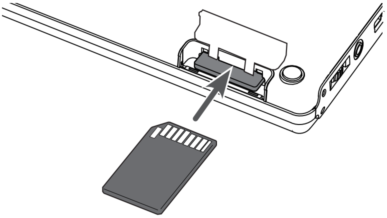
1. **Turn the BR-80 upside down.**
2. **Pull out the card cover in the direction shown by the arrow in the illustration below.**



- This unit supports SD/SDHC cards.
- Never insert or remove an SD card while this unit’s power is on. Doing so may corrupt the unit’s data or the data on the SD card.
- Carefully insert the SD card all the way in-until it is firmly in place.
- Never touch the terminals of the SD card. Also, avoid getting the terminals dirty.
- Some memory card types or memory cards from some manufacturers may not record or play back properly on this unit.
- If using an SD card other than the included one, refer to the Roland website (http://www.roland.com/) for the most recent information on cards that are known to work with the BR-80.

Inserting an SD card

1. **When inserting the SD card, hold it so the side with the connector is facing upwards, and press it in firmly until you hear it click into place.**

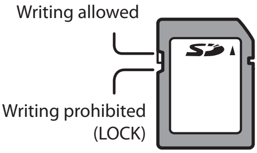


Removing an SD card

1. **Press the SD card all the way in, then release your fingers.**
2. **The SD card will pop out slightly, allowing you to remove it.**

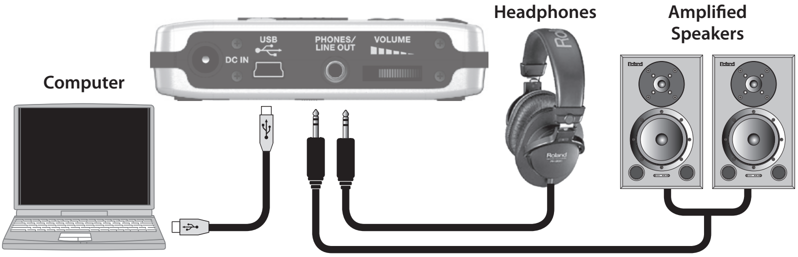
The SD card write protect feature (LOCK)

The contents of the SD card can be protected by write protecting it. To write protect a card, slide the write protect switch on the side of the SD card to the “LOCK” position. Unlock write protect to delete data on the card.



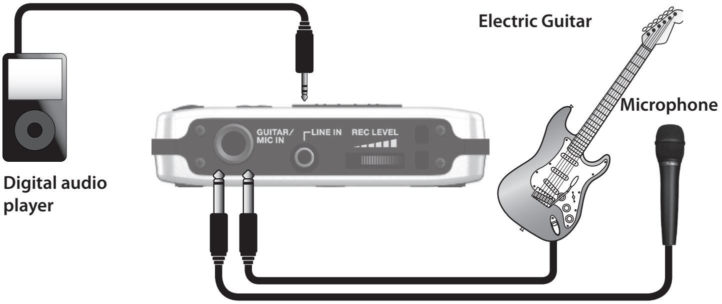
Connecting the External Equipment to the BR-80

Side Panel (left)


Headphones
Amplified Speakers
Computer
DC IN
USB
PHONES/ LINE OUT
VOLUME

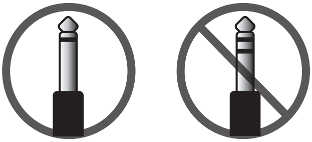
If you connect the BR-80 to your computer via USB, it will operate on USB bus power. (You'll need to install the driver.) If you use the USB connection simultaneously with an AC adaptor, the AC adaptor will take priority.

Side Panel (right)


Electric Guitar
Microphone
Digital audio player
GUITAR/ MIC IN
LINE IN
REC LEVEL

Set the [GUITAR/MIC] select switch on the bottom panel to the appropriate position for the device that's connected.

When connecting an external microphone, make sure that its plug is a phone plug of the unbalanced TS type.
Balanced TRS phone plugs cannot be used.



* To prevent malfunction and damage, always make sure to turn down the volume and switch off the power on all of your equipment before you make any connections.

* When connection cables with resistors are used, the volume level of equipment connected to the inputs (LINE IN jack, GUITAR/MIC IN jack) may be low. If this happens, use connection cables that do not contain resistors.

* Howling could be produced depending on the location of microphones relative to speakers. This can be remedied by:
1. Changing the orientation of the microphone(s).
2. Relocating microphone(s) at a greater distance from speakers.
3. Lowering volume levels.

Turning the Power On/Off

Once the connections have been completed (p. 40), turn on power to your various devices in the order specified. By turning on devices in the wrong order, you risk causing malfunction and/or damage to speakers and other devices.

1. Check the following before you turn on the power.

- Have connections with your external equipment been made correctly?
- Are the volume controls of the BR-80 and the connected equipment set to the minimum position?
- Is the SD card inserted? (p. 39)

PHONES/
LINE OUT
VOLUME

2. Turn the BR-80’s [VOLUME] dial all the way down.

3. Switch on the power to the equipment connected to the input jacks (GUITAR/MIC IN jack, LINE IN jack).

4. Press the [⏻] button on the top panel to turn on the power.

5. Switch on the power to the equipment connected to PHONES/LINE OUT jack.

NOTE

- This unit is equipped with a protection circuit. A brief interval (a few seconds) after power up is required before the unit will operate normally.
- Before switching the power on/off, always be sure to turn the volume down. Even with the volume turned down, you might hear some sound when switching the power on/off. However, this is normal and does not indicate a malfunction.
- When using the BR-80 on USB bus power, take care that the USB cable is not disconnected during use. If the USB cable is disconnected, data might be lost.

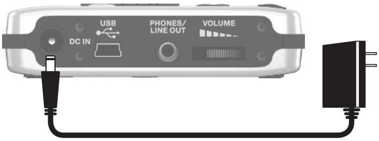
MEMO

When the BR-80 is shipped from the factory, an SD card is inserted in the memory card slot.

Connecting the AC adaptor (sold separately)

Connect the separately available AC adaptor (PSA series) to the DC IN jack located on the left side panel of the BR-80.

You must use the PSA series as the AC adaptor. Using any other adaptor may cause overheating and malfunction.



* We recommend that you keep batteries installed in the unit even though you’ll be powering it with the AC adaptor. That way, you’ll be able to continue a performance even if the cord of the AC adaptor gets accidently disconnected from the unit.

Turning the power off

1. **Make sure that song playback is stopped.**
2. **Turn off the power of any device connected to the PHONES/LINE OUT jack.**
3. **Make sure that the BR-80's display does not indicate "Keep power on!"**
4. **Hold down the top panel's [⏻] button for two seconds or longer; the power will turn off.**

If you don't want the power to turn off automatically, turn the "AUTO POWER OFF" setting off

With the factory settings, the BR-80's power will automatically be switched off 30 minutes after you stop playing or operating the unit.

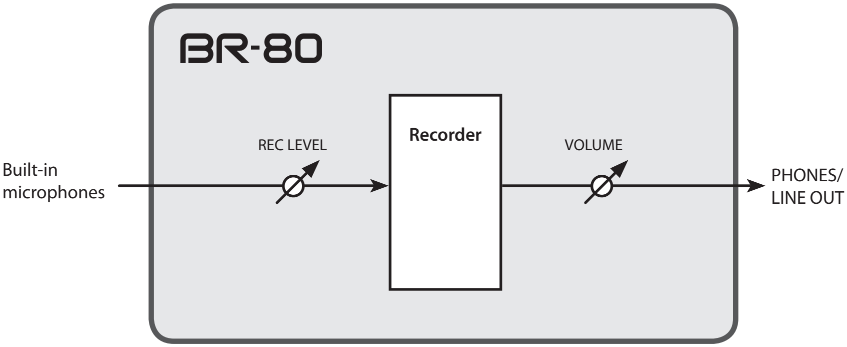
If you want to have the power remain on all the time, change the "AUTO POWER OFF" setting to "OFF" as described on p. 117.

NOTE

- When the power is turned off, any effect settings you were editing will be lost. Before turning the power off, you must save any settings that you want to keep (p. 111). Other settings you were editing will be saved automatically when you turn the power off.
- Auto Power Off is enabled when the BR-80 is operating on batteries or the AC adaptor. This function is deactivated when you're connected to a computer via USB.
- When multiple power sources are connected, power will be taken in the following order: the AC adaptor, USB bus power, then batteries.

Recording Ideas for Songs (LIVE REC Mode)

Audio signal flow in LIVE REC mode


BR-80
Built-in microphones
REC LEVEL
Recorder
VOLUME
PHONES/ LINE OUT

- In LIVE REC mode, you can only record via the stereo microphones that are built into the BR-80.
- Effects are not applied in LIVE REC mode.

Recording Flow in LIVE REC Mode

LIVE REC mode lets you easily make stereo recordings using the BR-80's built-in microphones.

Prepare for Recording

Switching to LIVE REC Mode (p. 45)

Other Functions (p. 49)

Recording/Playback

Recording (p. 46)

Playback (p. 47)

Using the metronome while recording

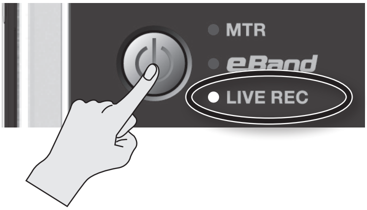
Recording with the Metronome (p. 46)

* Songs you've recorded can be loaded for use in MTR mode or eBand mode, or they can be used on your computer.

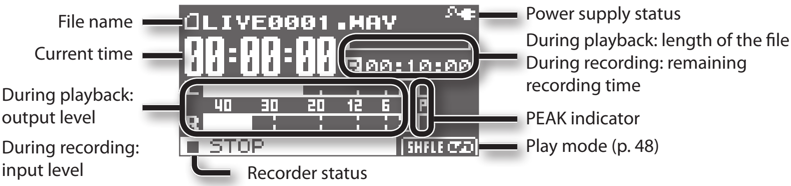
Recording/Playback

Switching to LIVE REC Mode

1. Press the [⏻] button a number of times until the LIVE REC indicator is lit.


MTR
eBand
LIVE REC

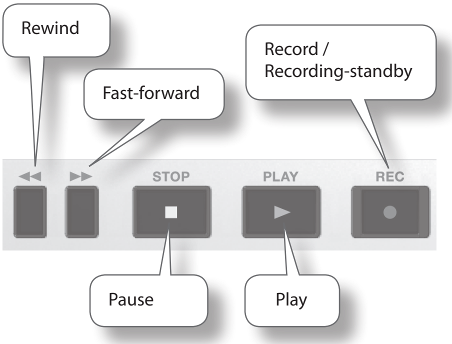
The BR-80 will enter LIVE REC mode, and the main screen will appear.


File name
Current time
During playback: output level
During recording: input level
LIVE0001.WAV
00:00:00
00:10:00
40 30 20 12 6
P
STOP
SHFLE
Recorder status
Power supply status
During playback: length of the file
During recording: remaining recording time
PEAK indicator
Play mode (p. 48)

Power supply status

Indication	Explanation
🔌	Power is being supplied from the AC adaptor.
🖥	Power is being supplied from the computer.
[▮▮▮]	The batteries are in good condition.
[▮▮]	The batteries are running low.
[▮]	The batteries are almost empty. Install fresh batteries as soon as possible.
[ ]	The batteries are empty. Install fresh batteries.

Recording



1. **Press the [●] (REC) button to enter recording-standby mode.**

   The [●] (REC) button will blink.

2. **Use the [REC LEVEL] dial to adjust the recording level.**

   Adjust the loudness of the sound you're recording (p. 49).

3. **Press the [●] (REC) button to start recording.**

   The [●] (REC) button will light, and recording will begin.

   NOTE

   - The recording level will change if you operate the [REC LEVEL] dial during recording.
     Take care not to operate the [REC LEVEL] dial inadvertently.
   - You can't turn off the power during recording. You must stop recording before you can turn off the power.

4. **Press the [■] (STOP) button to stop recording.**

   The [●] (REC) button will go out.

   The display will show the file that was recorded.

   MEMO

   A song name such as LIVE0001.WAV will be created automatically.
   The 0001 portion will be the number following the highest-numbered song that exists.

Recording with the Metronome

If you use the metronome while recording, it will be easier to record at an accurate tempo.

1. **Press the [RHYTHM] button.**

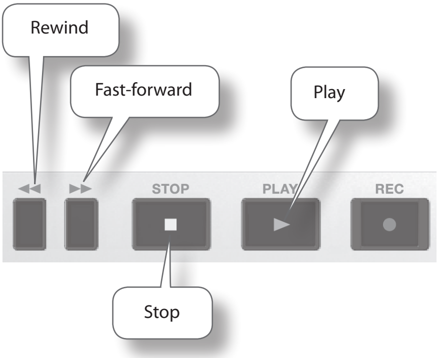
   The metronome will turn on.

2. **Use the cursor buttons to select the desired parameter, and use the dial to specify its value.**

Parameter	Explanation
BEAT	Specifies the time signature.
TEMPO	Specifies the tempo.
LEVEL	Specifies the volume of the metronome.
REC	ON: The metronome will be recorded with the performance.
	OFF: You'll hear the metronome, but it will not be recorded.

In the metronome setting screen, you can press the [ENTER] button to turn the metronome on/off.

Playback


Rewind
Fast-forward
Play
STOP
PLAY
REC
Stop

1. **Use the dial to select the file that you want to play.**

MEMO

If the display indicates "No Song," the current folder contains no files that the BR-80 can play back. If the display indicates "No Card," no SD card has been inserted.

2. **Press the [▶] (PLAY) button to play the file.**

NOTE

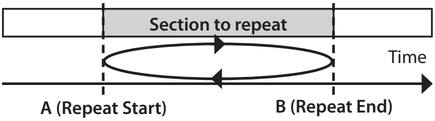
During playback, you can hold down the [◀◀] button to rewind, or the [▶▶] button to fast-forward. Normal playback will resume when you release the button.

3. **Use the [VOLUME] dial to adjust the volume.**

4. **Press the [■] (STOP) button to stop playback.**

Playing Back Repeatedly (AB Repeat)

Use this feature for guitar solo practice and in other situations where you want to practice along with a single section as it plays back repeatedly.


Section to repeat
Time
A (Repeat Start)
B (Repeat End)

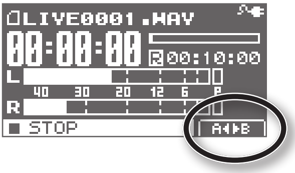
1. **Press the [▶] button.**

   The song will play back.

2. **Press the [A◀▶B] button at the point where you want to start repeating (point A).**

3. **Press the [A◀▶B] button at the point where you want to stop repeating (point B).**

   AB Repeat will turn on, and playback will begin repeating.


LIVE0001.WAV
00:00:00
00:10:00
L
40 30 20 12 6 0
R
■ STOP
A◀▶B

AB Repeat	Explanation
A◀	Time location "A" has been registered for AB Repeat.
A◀▶B	Playback will repeat between time locations "A" and "B" (AB Repeat).

MEMO

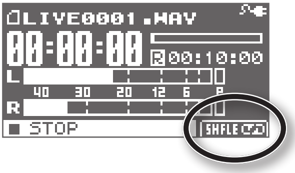
To cancel the repeat function, press the [A◀▶B] button once again.

Specifying the Type of Playback (PLAY MODE)

Here you can specify how the songs will play back. You can choose the basic play mode in which the songs play consecutively starting from the first song, or play just the selected single song, or play songs in random order (shuffle play).

1. **Press the [TR7/8] (PLAY MODE) button.**

   The play mode is indicated in the main screen in the circled location of the illustration.



Each time you press the [TR7/8] (PLAY MODE) button, this parameter will be switched in the following order.

Play Mode	Explanation
ONE →	The current song plays to the end and stops.
ONE ⇄	Playback of the current song is repeated.
LIST →	All songs of LIVE REC mode are played back in order.
LIST ⇄	All songs of LIVE REC mode are played back in order, repeatedly.
SHFLE	All songs of LIVE REC mode are played back in random order.
SHFLE ⇄	All songs of LIVE REC mode are played back repeatedly, in random order.

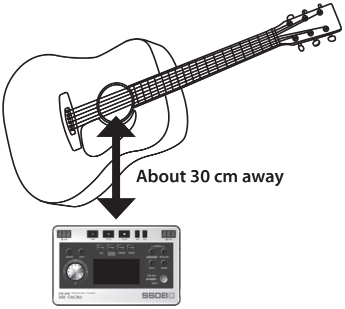
Other Functions

Adjusting the Recording Level

The BR-80 is designed to let you record a wide range of sounds. By adjusting the recording level (volume) appropriately for the source you're recording, you'll be able to record with optimal quality.

The basic principle when adjusting the level is to get the level as high as possible without allowing distortion to occur.

1. **Point the BR-80's built-in microphones toward the source you'll be recording.**

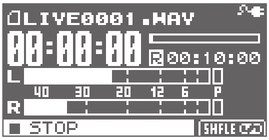


2. **In the main screen, press the [●] (REC) button so the [●] (REC) button is blinking.**

   The BR-80 is in recording-standby mode.

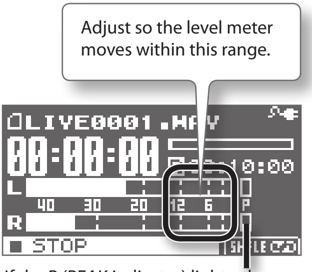
3. **On the audio source you'll be recording, play the sounds that you actually intend to record.**

   The level meter will move according to the loudness of the sound being input to the BR-80.



If you're going to record a musical performance such as an instrument or vocal, you should play the loudest passage of the song.

4. **While the sound plays, use the [REC LEVEL] dial to adjust the recording level a little at a time.**



Adjust so the level meter moves within this range.

If the P (PEAK indicator) lights, the sound will distort.

The higher the level at which the sound is being captured, the farther toward the right the level meter will move. Use the [REC LEVEL] dial to adjust the level so that the sound is captured at as high a level as possible.
However, don't allow the PEAK indicator to light; this indicates that the input volume is excessive.

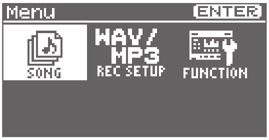
* When adjusting the recording level, you might notice a little noise; this is normal and does not indicate malfunction.

Setting the Record Mode

The record mode you select will determine the audio quality, the file size, and the recordable time.

Choose the setting that's appropriate for your needs, according to whether audio quality or recording time are more important.

1. **Press the [MENU] button.**



2. **Use the cursor [◀] [▶] buttons to select “REC SETUP,” and press the [ENTER] button.**

3. **Use the dial to specify the record mode.**

Record Mode
WAV
MP3-64kbps
MP3-128kbps
MP3-192kbps
MP3-320kbps

WAV files allow higher-quality recording than MP3 files.

If you choose MP3, the file size will be smaller than WAV, allowing you to record for a longer length of time.

Higher bps values allow higher-quality recording. However, this will produce a larger file, so the available recording time will be shorter.

NOTE

The following frequency is fixed at 44.1 kHz.

4. **Press the [EXIT] button a number of times to return to the basic screen.**

Making Settings for a Song (SONG INFO)

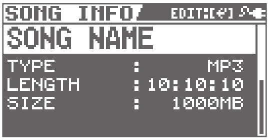
Here’s how to view or edit information about the song.

1. **Press the [MENU] button.**

2. **Use the cursor [◀] [▶] buttons to move the cursor to “SONG,” and press the [ENTER] button.**

3. **Use the cursor [◀] [▶] buttons to move the cursor to “INFO,” and press the [ENTER] button.**

The SONG INFO screen will appear.


SONG INFO
SONG NAME
TYPE : MP3
LENGTH : 10:10:10
SIZE : 1000MB

4. **Use the cursor [▲] [▼] buttons to select a parameter, and use the dial to edit the setting.**

Parameter	Explanation
NAME	Edits the song name. Move the cursor to song name and press the [ENTER] button; you’ll switch to the song name editing screen (p. 51.)
TYPE	Indicates the file type.
LENGTH	Indicates the length of the song (time).
SIZE	Indicates the size (file size) of the song.
LEVEL	Specifies the song’s volume.
PROTECT	Turns protection on/off for the song.

Naming a Song (SONG NAME)

When you create a new song, it will automatically be given a name such as “LIVE0001.” When you’ve finished a song, you should give it an appropriate name so that your song data will be easier to manage.

1. **Press the [MENU] button.**

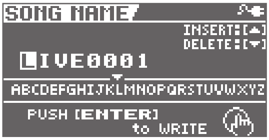
2. **Use the cursor [◀] [▶] buttons to move the cursor to “SONG,” and press the [ENTER] button.**

3. **Use the cursor [◀] [▶] buttons to move the cursor to “INFO,” and press the [ENTER] button.**

   The SONG INFO screen will appear.

4. **Use the cursor [▲] [▼] buttons to move the cursor to song name, and press the [ENTER] button.**

   The SONG NAME screen will appear.



SONG NAME

INSERT:[▲]
DELETE:[▼]

LIVE0001

ABCDEFGHIJKLMNOPQRSTUVWXYZ

PUSH [ENTER] to WRITE

5. **Use the cursor [◀] [▶] buttons to move the cursor to the character that you want to edit.**

6. **Turn the dial to select the desired character.**

   Press the cursor [▲] button to insert one character at the selected location.

   Press the cursor [▼] button to delete the selected character.

7. **Press the [ENTER] button.**

   A message will ask “Are you sure?”

   If you decide to cancel the procedure, press the [EXIT] button.

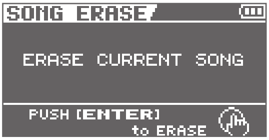
8. **Press the [ENTER] button.**

   The name will be changed.

Erasing a Song (SONG ERASE)

Here's how to erase the currently selected song.

1. **Press the [MENU] button.**
2. **Use the cursor [◀] [▶] buttons to move the cursor to "SONG," and press the [ENTER] button.**
3. **Use the cursor [◀] [▶] buttons to move the cursor to "ERASE," and press the [ENTER] button.**



SONG ERASE

ERASE CURRENT SONG

PUSH [ENTER] to ERASE

4. **Press the [ENTER] button.**

   A message will ask "Are you sure?"

   If you decide to cancel the procedure, press the [EXIT] button.

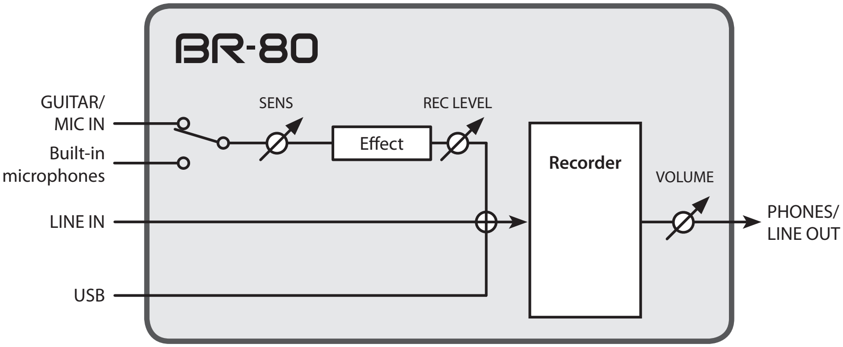
5. **Press the [ENTER] button.**

   The song will be erased.

   * While the data is being updated, the display will indicate "Keep power on!" Do not turn off the power while this message is shown.

Building Your Ideas Into a Song (MTR Mode)

Audio signal flow in MTR mode


BR-80
GUITAR/ MIC IN
Built-in microphones
LINE IN
USB
SENS
Effect
REC LEVEL
Recorder
VOLUME
PHONES/ LINE OUT

- The built-in microphones will turn off when you connect a cable to the GUITAR/MIC IN jack.
- If you want to use the built-in microphones, don’t connect anything to the GUITAR/ MIC IN jack.
- The signal from LINE IN jack and USB connector is mixed with the input from GUITAR/ MIC IN jack or the built-in microphones, and then input to the recorder. Use the controls of the connected devices to adjust the volume balance.
- To record only the sound arriving at the LINE IN jack and USB connector, turn the [REC LEVEL] dial all the way down.

Recording Flow in MTR Mode

In MTR mode, the BR-80 operates as a digital recorder that can play back eight tracks simultaneously. From recording to mastering, all the functions you need to create a song are provided.

Preparations for Recording

Make Connections (p. 40)

Switching to MTR Mode (p. 55)

Creating a New Song (p. 57), Selecting a Song (p. 57)

Recording/Playback

Recording (p. 57)

Playback (p. 60)

Record with Effects Applied

Selecting an Effect (p. 68)

Detailed Effect Settings (p. 110)

Record while Listening to Rhythm

Using Rhythm (p. 69)

Edit Your Song

Track Editing (p. 74)

Master Your Song

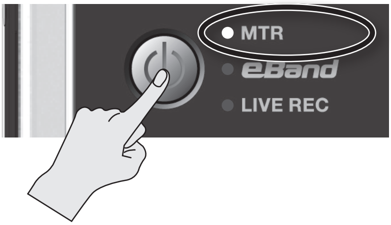
Mastering (p. 81)

* After the completion of the mastering process, the songs can be played back in eBand mode, or they can be used on your computer.

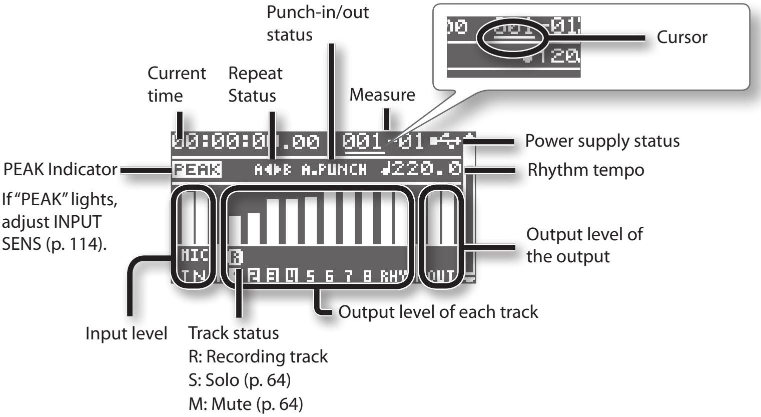
Recording/Playback

Switching to MTR Mode

1. Press the [⏻] button a number of times until the MTR indicator is lit.


MTR
eBand
LIVE REC

The BR-80 will enter MTR mode; the level meter screen will appear.


Punch-in/out status
Current time
Repeat Status
Measure
Cursor
Power supply status
PEAK Indicator
Rhythm tempo
Output level of the output
Output level of each track
Input level
Track status
00:00:00.00 001-01
PEAK A◀▶B A.PUNCH ♩220.0
MIC IN
R
1 2 3 4 5 6 7 8 RHY
OUT

If "PEAK" lights, adjust INPUT SENS (p. 114).

Track status
R: Recording track
S: Solo (p. 64)
M: Mute (p. 64)

* If you've made settings so that the tempo of the rhythm changes during the song, you won't be able to change the tempo in the level meter screen.

Power supply status

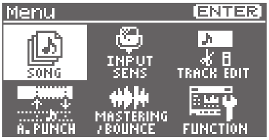
Indication	Explanation
🔌	Power is being supplied from the AC adaptor.
⊶	Power is being supplied from the computer.
[▮▮▮]	The batteries are in good condition.
[▮▮]	The batteries are running low.
[▮]	The batteries are almost empty. Install fresh batteries as soon as possible.
[ ]	The batteries are empty. Install fresh batteries.

Listen to the Demo Song

The SD card included with the BR-80 contains demo songs. Here's how to play back the demo songs.

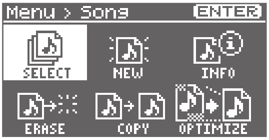
1. Press the [MENU] button.

The Menu screen will appear.


Menu
ENTER
SONG
INPUT SENS
TRACK EDIT
A.PUNCH
MASTERING /BOUNCE
FUNCTION

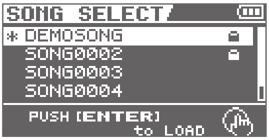
2. Use the cursor buttons to move the cursor to "SONG," and press the [ENTER] button.

The Song screen will appear.


Menu > Song
ENTER
SELECT
NEW
INFO
ERASE
COPY
OPTIMIZE

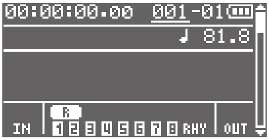
3. Use the cursor buttons to move the cursor to "SELECT," and press the [ENTER] button.

The SONG SELECT screen will appear.

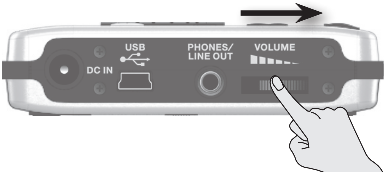

SONG SELECT
* DEMOSONG
SONG0002
SONG0003
SONG0004
PUSH [ENTER] to LOAD

4. Use the cursor [▲] [▼] buttons to move the cursor to "DEMOSONG," and press the [ENTER] button.

The level meter screen will appear.


00:00:00.00
001-01
♩ 81.8
R
IN
1 2 3 4 5 6 7 8 RHY
OUT

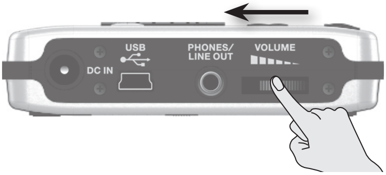
5. Set the [VOLUME] dial to the minimum position.


USB
DC IN
PHONES/ LINE OUT
VOLUME

6. Press the [▶] (PLAY) button.

Demo song playback will start.

7. Slowly raise the [VOLUME] dial to adjust the volume.


USB
DC IN
PHONES/ LINE OUT
VOLUME

8. Press the [■] (STOP) button to stop playback.

Recording

The BR-80 manages your recordings in units called "songs."

If you want to create a new recording, you need to create a new song (SONG NEW).

If you want to record additional material for a song that's already saved in the BR-80, select that song (SONG SELECT).

Creating a New Song (SONG NEW)

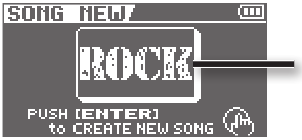
To record a new song, carry out the procedure below.

1. **Press the [MENU] button.**

2. **Use the cursor buttons to move the cursor to "SONG," and press the [ENTER] button.**

3. **Use the cursor buttons to move the cursor to "NEW," and press the [ENTER] button.**

   The SONG NEW screen will appear.



SONG NEW

ROCK

PUSH [ENTER] to CREATE NEW SONG

4. **Use the dial to select a song template of the desired category.**

   Each song template specifies rhythms and effects that are appropriate for that category.

   If you don't want to select a song template, choose "NO CATEGORY."

5. **Press the [ENTER] button.**

   The display will ask "Are you sure?"

6. **Press the [ENTER] button once again.**

   A new song will be created, and you will return to the Level Meter screen.

   * The display will indicate "Keep power on!" while the data is being updated. Never turn off the power while this message is shown.

Selecting a Song (SONG SELECT)

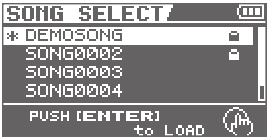
If you want to record additional material onto a previously saved song, select that song as follows.

1. **Press the [MENU] button.**

2. **Use the cursor buttons to move the cursor to "SONG," and press the [ENTER] button.**

3. **Use the cursor buttons to move the cursor to "SELECT," and press the [ENTER] button.**

   The SONG SELECT screen will appear.



SONG SELECT

* DEMOSONG

SONG0002

SONG0003

SONG0004

PUSH [ENTER] to LOAD

An "*" is displayed next to the currently selected song.

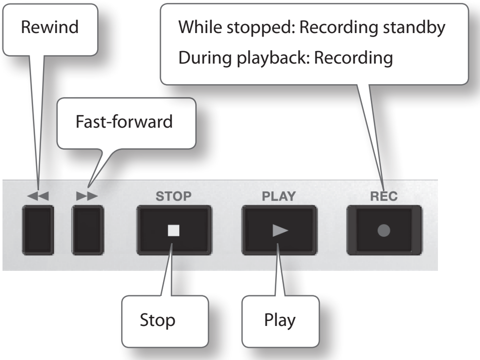
4. **Use the cursor [▲] [▼] buttons to select a song.**

5. **Press the [ENTER] button.**

   The song will be selected, and you'll return to the Level Meter screen.

   * The display will indicate "Keep power on!" while the data is being updated. Never turn off the power while this message is shown.

Recording



1. **Connect the device you want to record (p. 40).**

   The device you connect will be selected automatically.

   If you don't connect anything, the built-in microphones will be selected.

   MEMO

   - If you connect a device to the GUITAR/MIC IN jack, the GUITAR/MIC IN jack will take priority, and the built-in microphones will turn off.
   - If you connect devices to the LINE IN jack or the USB connector, they will be mixed with the input from the GUITAR/MIC IN jack or the built-in microphones.
   - To record only the sound arriving at the LINE IN jack and USB connector, turn the [REC LEVEL] dial all the way down. Use the controls of the connected device to adjust the recording level.

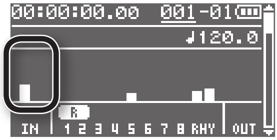
2. **Use the track buttons to select the recording track (p. 59).**

3. **Press the [●] (REC) button to enter recording-standby mode.**

   The [●] (REC) button will blink.

4. **Use the [REC LEVEL] dial to adjust the recording level.**

   Adjust the loudness of the sound you'll be recording.

   If the peak indicator lights, adjust "INPUT SENS" (p. 114).

5. **Start recording.**

   In recording-standby mode ([●] (REC) button blinking), press the [▶] (PLAY) button.

   The [●] (REC) button will light, and recording will begin.

   NOTE

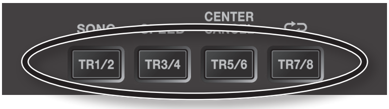
   - The recording level will change if you operate the [REC LEVEL] dial while in during recording.
     Take care so as not to inadvertently move the [REC LEVEL] dial.
   - You can't turn the power off during recording. You must first stop recording, and then turn the power off.

6. **Press the [■] (STOP) button to stop recording.**

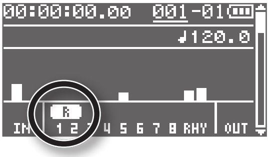
Selecting the Track(s) for Recording (REC TRACK)

Select the track(s) on which you'll record.

1. Press a track button to select the track(s) to use for recording.

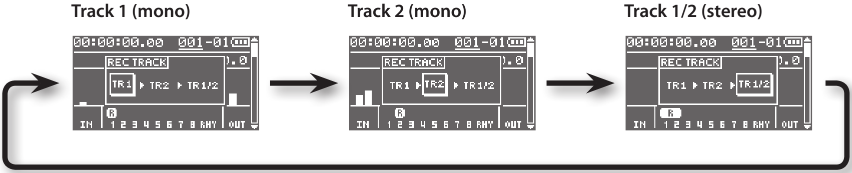


The recording track level is shown in the level meter screen in the location circled below.



If you press the [TR1/2] button, repeated pressing of the button allows you to cycle through the available choices, which are: track 1 (mono) → track 2 (mono) → track 1/2 (stereo).

If the built-in microphones have been selected for input, or if the selected tracks are linked for stereo, tracks 1/2 (stereo) will be selected initially.


Track 1 (mono) **Track 2 (mono)** **Track 1/2 (stereo)**

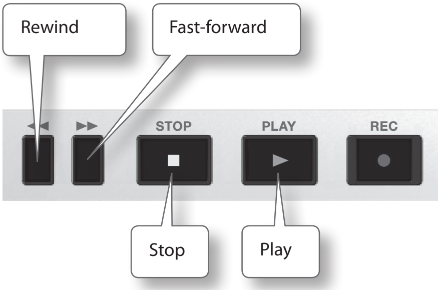
MEMO

- If you want to record in mono, select "TR1" or "TR2."
- If you want to record in stereo, select "TR1/2."

  If a signal is input in mono, the same signal will be recorded on the left and right tracks.

  The left channel of signals input in stereo will be recorded on "TR1," while the right channel will be recorded on "TR2."
- If you record in stereo, you'll be able to modify the parameters for the mixer's left and right channels simultaneously; see"Creating a Stereo Track" (p. 63).

Playback



1. **Hold down the [■] (STOP) button and press the [◀◀] button to return to the beginning of the song.**

2. **Press the [▶] (PLAY) button to play back the song.**

3. **Use the [VOLUME] dial to adjust the volume.**

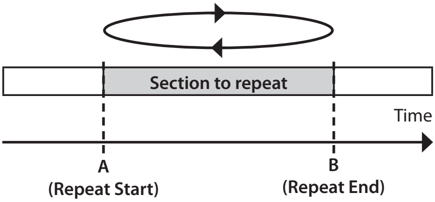
4. **Press the [■] (STOP) button to stop playback.**

MEMO

- To return to the beginning of the song, hold down the [■] (STOP) button and press the [◀◀] button.
  However, if the current time location is later than the location at which the previous recording began, this operation returns you to the location at which the previous recording began.
  To return to the beginning of the song, hold down the [■] (STOP) button and press the [◀◀] button once again.
- To move to the end of the song, hold down the [■] (STOP) button and press the [▶▶] button.

Playing Back Repeatedly (AB Repeat)

By using the "repeat" function you can repeatedly play back a specified region.



1. **Press the [▶] (PLAY) button.**
   The song will play back.

2. **Press the [A◀ ▶B] button at the point where you want to start repeating (point A).**

3. **Press the [A◀ ▶B] button at the point where you want to stop repeating (point B).**
   AB Repeat will turn on, and playback will begin repeating.

MEMO

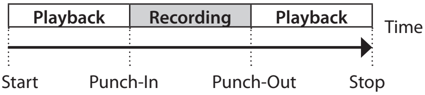
To cancel the repeat function, press the [A◀ ▶B] button once again.

Re-Recording Only Over a Mistake (AUTO PUNCH IN/OUT)

When recording, there may be times when you made a mistake or were unable to play as you intended. In such cases, you can use punch-in/out to re-record only the region you specify.

While the track plays, you can "punch-in" to switch from playback to record; then you can "punch-out" to resume playback, all without stopping.

Punch-in at the point where you want to start re-recording, and then punch-out when you want to stop re-recording.



"Auto punch-in/out" is the operation of automatically punching-in/out at the locations you specify beforehand.

* When using auto punch-in/out, there must be more than 1.0 seconds between the punch-in and punch-out points.

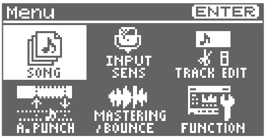
MEMO

The data prior to punching-in/out will remain on the SD card; it will not be deleted.

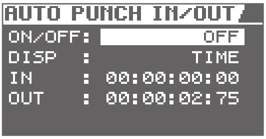
To maximize the free space available on the SD card, you can execute Song Optimize p. 88) to delete unneeded data.

1. **Press the [MENU] button.**

2. **Use the cursor buttons to move the cursor to "A. PUNCH," and press the [ENTER] button.**



3. **Use the cursor [▲] [▼] buttons to move the cursor to "ON/OFF," and turn the dial to choose "ON."**



AUTO PUNCH IN/OUT
ON/OFF: OFF
DISP : TIME
IN : 00:00:00:00
OUT : 00:00:02:75

4. **Use the cursor [▲] [▼] buttons to move the cursor to "DISP," and turn the dial to choose the units in which you'll specify the locations.**

Setting	Explanation
TIME	Specify the locations in units of time.
MEASURE	Specify the locations in units of measures.

MEMO

After specifying the time in the procedure above, a "+" may appear to show that there is a discrepancy between the actual current position and the position displayed.
If you specify the locations using measures, specify the locations at each screen using the dial to eliminate the discrepancy.

5. **Use the cursor [▲] [▼] buttons to move the cursor to "IN," and turn the dial to specify the punch-in location.**

   You can move to the current location by pressing the [ENTER] button.

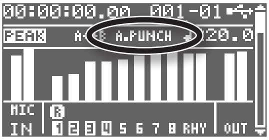
6. **Use the cursor [▲] [▼] buttons to move the cursor to "OUT," and turn the dial to specify the punch-out location.**

MEMO

If you place the cursor at IN or OUT, and then press the [ENTER] button, the current time will be specified as the time.

7. **Press the [EXIT] button a number of times to return to the level meter screen.**

   The display will indicate "A. PUNCH," indicating that the punch-in/out locations have been specified.



Recording

In this example, we'll explain how to specify the auto punch-in/out locations beforehand, and then re-record a specified region of the previously recorded track 1.

1. **Play back the song, and use the [REC LEVEL] knob to adjust the volume of the input.**

   Compare the volume of the input to the volume of the track that you want to re-record, and adjust the [REC LEVEL] knob so that there is no difference in volume.

2. **Move to a location a little earlier than the region that you want to re-record.**

3. **Select the track 1, and press the [●] (REC) button to put the BR-80 in recording-standby mode.**

4. **Press the [▶] (PLAY) button.**

   Punch-in will occur automatically at the beginning of the specified region. Re-record your performance. The [●] (REC) button will light during recording.

   When you arrive at the punch-out location, the BR-80 will automatically return to playback mode, and the [●] (REC) button will go out.

Track Settings (the Mixer Screen)

The mixer screen lets you make settings for each track.

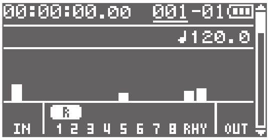
In the mixer screen, use the cursor [▲] [▼] buttons to move through the various settings in the following order.

Screen	Page
Level Meter screen	p. 63
TRACK LEVEL screen	p. 63
TRACK PAN screen	p. 64
TRACK MUTE&SOLO screen	p. 64
TRACK EQ screen	p. 64
REVERB SEND screen	p. 65
V-TRACK screen	p. 66

Viewing the Track Levels (Level Meter)

This is the main screen for MTR mode.

To access this screen, press the [EXIT] button a number of times.

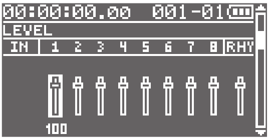


MEMO

You can press the cursor [▼] button to switch to the TRACK LEVEL screen.

Adjusting the Volume Balance (TRACK LEVEL)

Here you can adjust the volume of each track.



1. **Use the cursor [◀] [▶] buttons to select a track.**
2. **Use the dial to adjust the track's volume.**

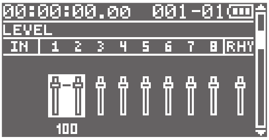
MEMO

You can press the cursor [▲] button to switch to the level meter screen.

You can press the cursor [▼] button to switch to the TRACK PAN screen.

Creating a Stereo Track

In the TRACK LEVEL screen, press the [ENTER] button to link the adjacent odd-numbered and even-numbered tracks as a pair.

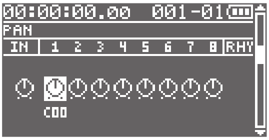


You'll be able to edit the settings of the two tracks simultaneously.

Press the [ENTER] button once again to disengage the stereo link.

Adjusting the Stereo Position (TRACK PAN)

Here you can adjust the left/right position of each track.


00:00:00.00 001-01
PAN
IN 1 2 3 4 5 6 7 8 RHY
C00

1. **Use the cursor [◀] [▶] buttons to select a track.**

2. **Use the dial to adjust the pan.**

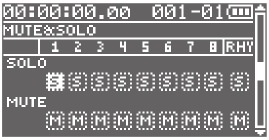
MEMO

You can press the cursor [▲] button to switch to the TRACK LEVEL screen.

You can press the cursor [▼] button to switch to the TRACK MUTE & SOLO screen.

Mute and Solo Settings (TRACK MUTE & SOLO)

Here you can mute (silence) or solo each track.


00:00:00.00 001-01
MUTE&SOLO
1 2 3 4 5 6 7 8 RHY
SOLO
S S S S S S S S S
MUTE
M M M M M M M M M

1. **Use the cursor [▲] [▼] buttons to select SOLO or MUTE.**

2. **Use the cursor [◀] [▶] buttons to select a track.**

3. **Use the dial to turn solo or mute on/off.**

MEMO

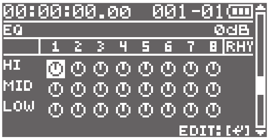
You can press the cursor [▲] button to switch to the TRACK PAN screen.

You can press the cursor [▼] button to switch to the TRACK EQ screen.

Adjusting the Tone (TRACK EQ)

Here you can adjust the tone of each track.

The EQ (equalizer) lets you adjust the high, mid, and low ranges.


00:00:00.00 001-01
EQ
0dB
1 2 3 4 5 6 7 8 RHY
HI
MID
LOW
EDIT:[↵]

1. **Use the cursor [▲] [▼] buttons to select HI, MID, or LOW.**

2. **Use the cursor [◀] [▶] buttons to select a track.**

3. **Use the dial to adjust the tone.**

MEMO

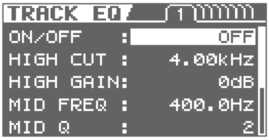
You can press the cursor [▲] button to switch to the TRACK MUTE & SOLO screen.

You can press the cursor [▼] button to switch to the REVERB SEND screen.

Making Detailed EQ Settings

1. **In the TRACK EQ screen, press the [ENTER] button.**

   A screen for detailed track EQ editing will appear.



```
TRACK EQ        1
ON/OFF    :      OFF
HIGH CUT  :  4.00kHz
HIGH GAIN:       0dB
MID FREQ  :  400.0Hz
MID Q     :        2
```

2. **Use the cursor [◀] [▶] buttons to select a track.**

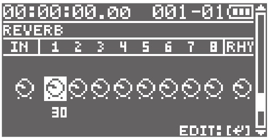
3. **Use the cursor [▲] [▼] buttons to select a parameter, and use the dial to edit the value.**

Parameter	Value
ON/OFF	OFF, ON
HIGH CUT	700Hz–11kHz, FLAT
HIGH GAIN	-20dB–+20dB
MID FREQ	20Hz–10kHz
MID Q	0.5–16
MID GAIN	-20dB–+20dB
LOW GAIN	-20dB–+20dB
LOW CUT	FLAT, 55Hz–800Hz
LEVEL	-20dB–+20dB

4. **Press the [EXIT] button to return to the TRACK EQ screen.**

Adjusting the Reverb (REVERB SEND)

Here you can adjust the depth of reverberation (reverb) for each track.



```
00:00:00.00  001-01
REVERB
IN | 1 2 3 4 5 6 7 8 |RHY
  30
                 EDIT:[↵]
```

1. **Use the cursor [◀] [▶] buttons to select a track.**

2. **Use the dial to adjust the amount of signal that's sent to the reverb.**

MEMO

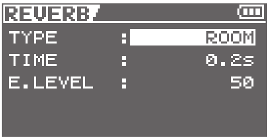
You can press the cursor [▲] button to switch to the TRACK EQ screen.

You can press the cursor [▼] button to switch to the V-TRACK screen.

Making Detailed Reverb Settings

1. **In the REVERB SEND screen, press the [ENTER] button.**

   A screen for detailed reverb editing will appear.



```
REVERB
TYPE      :     ROOM
TIME      :     0.2s
E.LEVEL   :       50
```

2. Use the cursor [▲] [▼] buttons to select a parameter, and use the dial to edit the value.

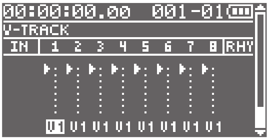
Parameter	Value
TYPE	ROOM, HALL, PLATE
TIME	0.1 s–10.0 s
E.LEVEL	0–100

3. Press the [EXIT] button to return to the REVERB SEND screen.

Selecting V-Tracks (V-TRACK)

Each of the BR-80's tracks contains eight "V-tracks," and you can choose one of these V-tracks for recording or playback.

By using V-tracks, you can record and compare multiple takes of a guitar solo or vocal, and then use the take you think is best.



00:00:00.00 001-01
V-TRACK
IN 1 2 3 4 5 6 7 8 RHY
V1 V1 V1 V1 V1 V1 V1 V1

1. Use the cursor [◀] [▶] buttons to select a track.

2. Use the dial to change the V-track of that track.

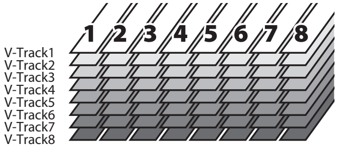
Indication	Explanation
▶ –	Currently selected V-track (recorded data exists)
▶ ·	Currently selected V-track (no recorded data)
–	V-track containing recorded data
·	V-track containing no recorded data

What are V-Tracks?

Each track consists of eight virtual tracks, and you can choose any one of these tracks for recording or playback.

This means that you can record to up to a maximum of 64 tracks, and then select any eight of them to play back.

These virtual tracks that make up the actual tracks are called "V-Tracks."



1
2
3
4
5
6
7
8
V-Track1
V-Track2
V-Track3
V-Track4
V-Track5
V-Track6
V-Track7
V-Track8

MEMO

You can press the cursor [▲] button to switch to the REVERB SEND screen.

Using Effects

The BR-80 has independent processors for four different kinds of effects: insert effects, reverb (p. 65), track EQ (p. 64), and mastering effects (p. 81).

Effect Patches and Categories

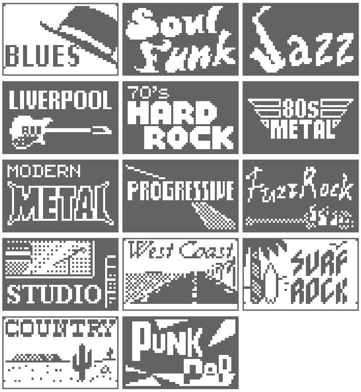
By calling up “effect patches,” you can switch the effects used by the insert effect and the parameters of each effect.

The BR-80 provides a variety of effect patches suitable for use with vocals and a variety of instruments. These effect patches are organized by their type into seven “categories.”

Preset patches

Preset patches contain pre-programmed patch data. You can select and edit a preset patch, and then save your changes as a user patch or song patch.

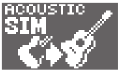
For Guitar


BLUES
Soul Funk
Jazz
LIVERPOOL
70's HARD ROCK
80s METAL
MODERN METAL
PROGRESSIVE
Fuzz Rock
STUDIO
West Coast
SURF ROCK
COUNTRY
PUNK POP

Guitar to Bass

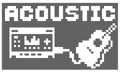
GUITAR TO BASS

Acoustic Simulator


ACOUSTIC SIM

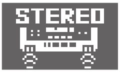
For Bass

A. Guitar Multi



For Vocal

For Built-in Microphone



User patches

User patches let you store your edited patches in internal memory. If you’ve created a patch that you want to use in another song as well, you should save it as a user patch.

Song patches

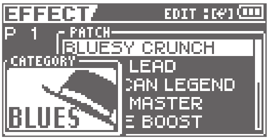
Song patches let you store your edited patches on an SD card together with the song data. This is convenient when you want a patch that you used when recording the performance to be saved together with the song.

Selecting an Effect

Here's how to choose the effect that's applied to the input from the GUITAR/MIC IN jack.

1. Press the [COSM] button.

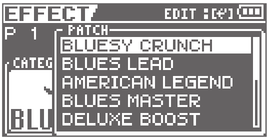
The effect patch select screen will appear.


EFFECT
EDIT :[⏎]
P 1
PATCH
BLUESY CRUNCH
LEAD
AN LEGEND
MASTER
BOOST
CATEGORY
BLUES

The effect will turn on/off each time you press the [COSM] button.

2. Use the cursor [◀] [▶] buttons to move the cursor to "CATEGORY," and use the dial to select the desired category.

3. Use the cursor [◀] [▶] buttons to move the cursor to "PATCH," and use the dial to select the desired patch.


EFFECT
EDIT :[⏎]
P 1
PATCH
BLUESY CRUNCH
BLUES LEAD
AMERICAN LEGEND
BLUES MASTER
DELUXE BOOST
CATEG
BLU

4. Press the [EXIT] button a number of times to return to the Level Meter screen.

MEMO

For details on the effects, refer to"Editing the Insert Effect Settings (EDIT)" (p. 110).

Using Rhythm

The BR-80 provides a dedicated rhythm generator that is separate from the audio tracks 1–8.

You can use this rhythm as a guide during recording, or create an original rhythm backing by arranging various internal rhythms to match the structure of your song.

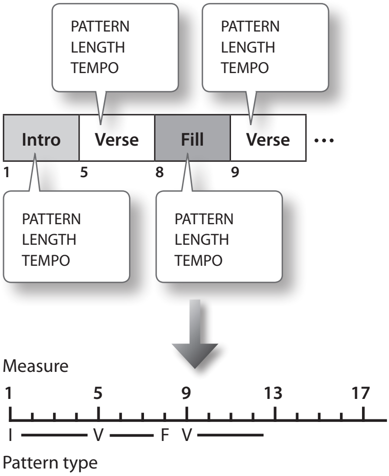
Typically, a drummer playing in a band repeatedly plays fixed sequences one or two measures in length. On the BR-80, these basic repeated units are called “patterns.”

Pattern type	Explanation
I (intro)	These patterns are suitable for an intro (introduction).
V (verse)	These are the main patterns.
F (fill)	These are ornamental patterns inserted between phrase changes.
E (ending)	These patterns are suitable for the end of a song.
M (metronome)	These are patterns that sound a metronome.
B (break)	These patterns produce no sound.
S (song)	These patterns are created by SMF import (p. 72).

Creating a Rhythm Progression (EDIT)

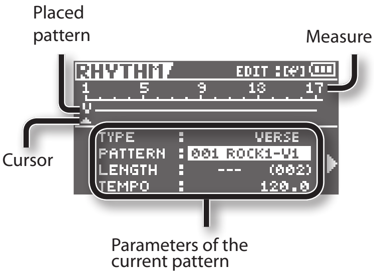
It’s possible to use just a single pattern as a metronome to provide a guide for your practicing, but this would be an unchanging rhythm that stays the same from the beginning to the end of the song.

To create a song that has musical variation, you can arrange several different patterns in an appropriate order, such as intro → chorus → break → ending.


PATTERN
LENGTH
TEMPO
PATTERN
LENGTH
TEMPO
Intro
Verse
Fill
Verse
…
1
5
8
9
PATTERN
LENGTH
TEMPO
PATTERN
LENGTH
TEMPO
Measure
1
5
9
13
17
I
V
F
V
Pattern type

1. Press the [RHYTHM] button.

The RHYTHM screen will appear.


Placed pattern
Measure
Cursor
RHYTHM
EDIT :[↵]
1
5
9
13
17
V
Parameters of the current pattern

TYPE : VERSE
PATTERN : 001 ROCK1-V1
LENGTH : --- (002)
TEMPO : 120.0

2. **Use the cursor [◀] [▶] buttons to move the cursor to a pattern you've placed.**

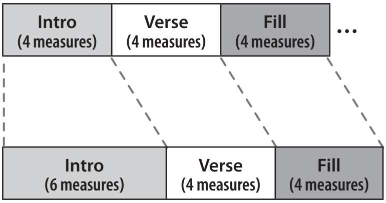
3. **Use the cursor [▲] [▼] buttons to select a parameter.**

   You can press the [RHYTHM] button to audition the currently selected pattern (the current pattern).

4. **Use the dial to edit the value.**

Parameter	Explanation
TYPE	Choose the type of pattern.
PATTERN	Choose a pattern from within the type.
LENGTH	This specifies the length of the current pattern. If you change the pattern length, any patterns located after the current pattern will be moved correspondingly. If you set LENGTH to "---" for the last pattern, that pattern will continue playing repeatedly. * The number appearing in parentheses ( ) denotes the length of the selected pattern itself.
TEMPO	This specifies the tempo at which the current pattern will play. Range: 25.0–250.0 If you set TEMPO to "---", the pattern will play at the tempo of the preceding pattern.

Increase the Intro from 4 measures to 6 measures.



The patterns located after the intro will move two measures later in time.

5. **If you want to specify additional patterns, repeat steps 2–4.**

6. **When you're finished creating your rhythm progression, press the [EXIT] button a number of times to return to the level meter screen.**

   Once you've returned to the level meter screen, the rhythm progression will be saved.

Inserting a Pattern

Here's how to insert a new pattern.

1. **Press the [RHYTHM] button.**

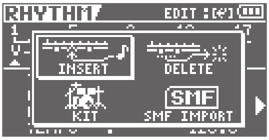
   The RHYTHM screen will appear.

2. **Use the cursor [◀] [▶] buttons to select the location at which you want to insert a pattern.**

   The new pattern will be inserted before the pattern you select here.

3. **Press the [ENTER] button.**

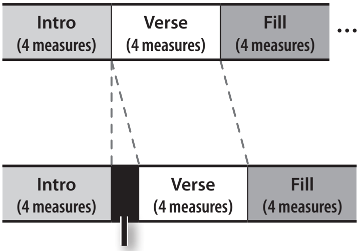
   You will enter EDIT mode.



4. Use the cursor [◀] [▶] buttons to move the cursor to "INSERT," and press the [ENTER] button.

A one-measure break will be inserted.

Select the Verse and insert a pattern.


Intro
(4 measures)
Verse
(4 measures)
Fill
(4 measures)
…
Intro
(4 measures)
Verse
(4 measures)
Fill
(4 measures)

A one-measure break will be added before the Verse.

Deleting a Pattern

Here's how to delete the selected pattern.

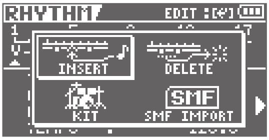
1. Press the [RHYTHM] button.

The RHYTHM screen will appear.

2. Use the cursor [◀] [▶] buttons to select the pattern that you want to delete.

3. Press the [ENTER] button.

You will enter EDIT mode.

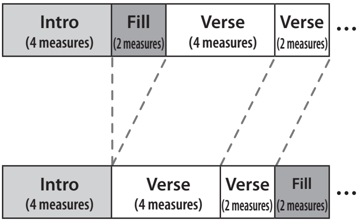

RHYTHM
EDIT
INSERT
DELETE
KIT
SMF
SMF IMPORT

4. Use the cursor [◀] [▶] buttons to move the cursor to "DELETE," and press the [ENTER] button.

5. Press the [ENTER] button.

The data will be deleted.

Select the Fill and delete the pattern.


Intro
(4 measures)
Fill
(2 measures)
Verse
(4 measures)
Verse
(2 measures)
…
Intro
(4 measures)
Verse
(4 measures)
Verse
(2 measures)
Fill
(2 measures)
…

Subsequent patterns will be moved forward.

Initializing a Rhythm Progression

This procedure erases all of the patterns that were placed in a rhythm.

1. Press the [MENU] button.

2. Use the cursor buttons to move the cursor to "FUNCTION," and press the [ENTER] button.

3. Use the cursor [▲] [▼] buttons to move the cursor to "INIT RHYTHM," and press the [ENTER] button.

4. Press the [ENTER] button once again.

A message will ask "Are you sure?"

5. To proceed with the erasure, select "YES" and press the [ENTER] button; to cancel, select "NO" and press the [ENTER] button.

Changing the Drum Sounds (Kit)

A drum performance typically uses a drum set that contains a variety of percussion instruments, such as kick drum and snare drum, chosen to be appropriate for the musical style.

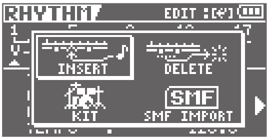
The BR-80 contains nine such sets, which are appropriate for different styles of music. Each of these sets is called a "drum kit."

A drum kit is a set of multiple rhythm instrument sounds. The BR-80 contains nine "preset drum kits."

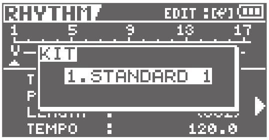
1. **Press the [RHYTHM] button.**

   The RHYTHM screen will appear.

2. **Press the [ENTER] button to enter EDIT mode.**



3. **Use the cursor [◀] [▶] buttons to move the cursor to "KIT," and press the [ENTER] button.**



KIT
1.STANDARD 1

TEMPO : 120.0

4. **Turn the dial to select a drum kit.**

Setting	Explanation
1. STANDARD 1	Standard drum kits
2. STANDARD 2	
3. ROOM	A drum kit with an appropriate amount of ambience
4. HARD	A drum kit suitable for hard rock
5. JAZZ	A drum kit suitable for jazz
6. HIP-HOP	A drum kit suitable for dance music
7. HOUSE	
8. REGGAE	A drum kit suitable for reggae
9. 808	A drum kit based on the classic Roland TR-808 rhythm machine

5. **Press the [EXIT] button a number of times to return to the Level Meter screen.**

Importing a Rhythm from SMF (SMF IMPORT)

You can import SMFs stored on PC as rhythm patterns. You can easily increase your collection of rhythm patterns by creating SMFs on your computer or other device and copying them to SD cards.

In order to import the SMF, it must meet the following conditions.

Format	0 or 1
File size	240 KB maximum (Note that this will vary slightly based on the SMF content.)
Number of measure	Up to 999 measures

Number of note	4,999 notes or less for all patterns combined
MIDI channel	Channel 10 only

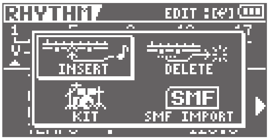
The corresponding note numbers are as shown in the chart below.

Drum sound	Note number
TOM 4	41
TOM 3	45
TOM 2	48
TOM 1	50
COWBELL	56
CROSS STICK	37 (31)
RIDE CYMBAL	51
CRASH CYMBAL	49
OPEN HIHAT	46
CLOSED HIHAT	42
SNARE	38 (40)
KICK	36 (35)

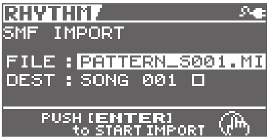
1. **Using your computer, place the SMF that you want to import in the ROLAND/SMF folder of the SD card.**

2. **Press the [RHYTHM] button.**

3. **Press the [ENTER] button to enter EDIT mode.**



4. **Use the cursor [◀] [▶] buttons to move the cursor to “SMF IMPORT,” and press the [ENTER] button.**



SMF IMPORT

FILE : PATTERN_S001.MI
DEST : SONG 001 ☐

PUSH [ENTER]
to START IMPORT

The icon shown at the right of the import-destination pattern name indicates whether that pattern contains data.

☐ : No data

■ : Contains data

5. **Select the file that you want to import.**

6. **Choose the pattern that is to be the target of the import operation (DEST), then press the [ENTER] button.**

You will be returned to the Level Meter screen.

NOTE

- Maximum polyphony for patterns is five voices. This means you can play up to five drum sounds with the same timing.
- When using cymbals and other sounds that have lengthy decay times, if other sounds totalling five voices are input before the previous sound has completely vanished, Sounds started previously may be cut off before they finish playing.

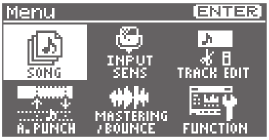
Track Editing (TRACK EDIT)

Here's how to copy or erase tracks, or import data from eBand mode or LIVE REC mode.

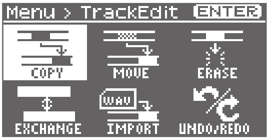
MEMO

The results of your track editing operations are saved to the song when you return to the level meter screen.

1. **Press the [MENU] button.**


Menu
ENTER
SONG
INPUT SENS
TRACK EDIT
A.PUNCH
MASTERING /BOUNCE
FUNCTION

2. **Use the cursor buttons to move the cursor to "TRACK EDIT," and press the [ENTER] button.**


Menu > TrackEdit
ENTER
COPY
MOVE
ERASE
EXCHANGE
WAV
IMPORT
UNDO/REDO

3. **Use the cursor [◀] [▶] buttons to select the editing operation that you want to perform, and then press the [ENTER] button.**

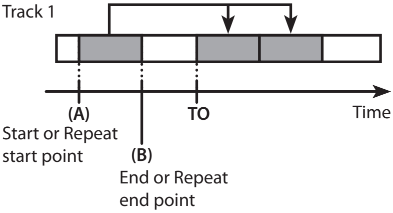
You can perform the following track edit operations.

Items	Page
Copying Track Data (COPY)	p. 74
Moving Track Data (MOVE)	p. 76
Erasing Track Data (ERASE)	p. 76
Exchanging data (EXCHANGE)	p. 77
Importing Audio Data (IMPORT)	p. 78
Cancelling an Operation (UNDO/REDO)	p. 78

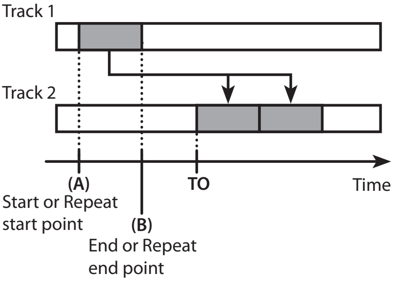
Copying Track Data (TRACK COPY)

The specified source track data will be copied to the specified destination track.

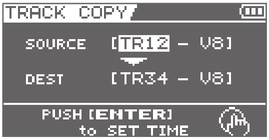
Example 1:
Copying twice to the same track


Track 1
(A)
Start or Repeat start point
(B)
End or Repeat end point
TO
Time

Example 2:
Copying twice to a different track


Track 1
Track 2
(A)
Start or Repeat start point
(B)
End or Repeat end point
TO
Time

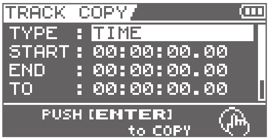
1. Use the cursor buttons and the dial to select the copy-source (SOURCE) and copy-destination (DEST) track and V-track.



```
TRACK COPY
  SOURCE  [TR12 - V8]
  DEST    [TR34 - V8]
    PUSH [ENTER]
        to SET TIME
```

2. Press the [ENTER] button.

The time setting screen will appear.



```
TRACK COPY
 TYPE  : TIME
 START : 00:00:00.00
 END   : 00:00:00.00
 TO    : 00:00:00.00
    PUSH [ENTER]
          to COPY
```

3. Use the cursor buttons and the dial to specify the time location and the number of times to copy the data.

The parameters displayed will depend on the type you select.

Parameter	Explanation
TYPE	
AB (TIME)	The START and END will be the time locations you specified for AB Repeat p. 60). TO is specified as a time location.
AB (MEASURE)	The START and END will be the time locations you specified for AB Repeat p. 60). TO is specified as a measure.
TIME	Specify START, END, and TO as time locations.
MEASURE	Specify START, END, and TO as measures.
ALL (TIME)	The entire track will be copied. TO is specified as a time location.
ALL(MEASURE)	The entire track will be copied. TO is specified as a measure.

Parameter	Explanation
START	
Time or measure	Specify the start of the copy source.
END	
Time or measure	Specify the end of the copy source.
TO	
Time or measure	Specify the start of the copy destination.
REPEAT	
1–99	Specify the number of repetitions.

4. To copy the data, press the [ENTER] button.

A message will ask "Are you sure?"

If you decide to cancel the procedure, press the [EXIT] button.

5. Press the [ENTER] button.

The copy will be carried out.

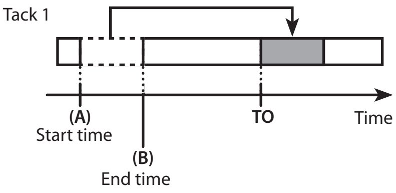
* The display will indicate "Keep power on!" while the data is being updated. Do not turn off the power while this message is shown.

Moving Track Data (TRACK MOVE)

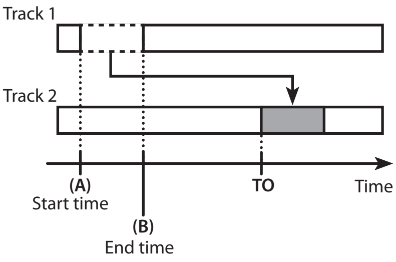
This operation moves the data of the specified track.

If recorded data exists at the destination of the move, it will be overwritten by the data that was moved.

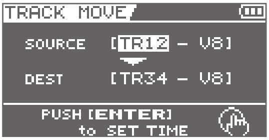
Example 1: Moving within the same track


Tack 1
(A)
Start time
(B)
End time
TO
Time

Example 2: Moving to a different track


Track 1
Track 2
(A)
Start time
(B)
End time
TO
Time

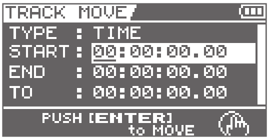
1. **Use the cursor [◀] [▶] buttons and the dial to select the move-source track/V-track (SOURCE) and move-destination track/ V-track (DEST).**



```
TRACK MOVE
SOURCE   [TR12 - V8]
DEST     [TR34 - V8]
PUSH [ENTER]
   to SET TIME
```

2. **Press the [ENTER] button.**

   The time setting screen will appear.



```
TRACK MOVE
TYPE  : TIME
START : 00:00:00.00
END   : 00:00:00.00
TO    : 00:00:00.00
PUSH [ENTER]
     to MOVE
```

3. **Use the cursor buttons and the dial to specify the time location.**

4. **To carry out the move, press the [ENTER] button.**

   A message will ask "Are you sure?"

   If you decide to cancel the procedure, press the [EXIT] button.

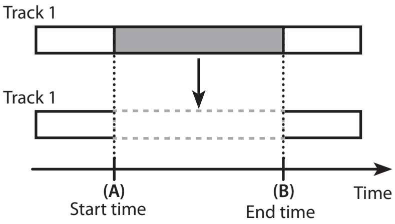
5. **Press the [ENTER] button.**

   The move will be carried out.

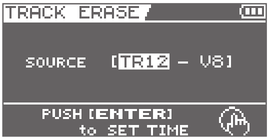
   * The display will indicate "Keep power on!" while the data is being updated. Do not turn off the power while this message is shown.

Erasing Track Data (TRACK ERASE)

This operation erases data from the specified region.


Track 1
Track 1
(A)
Start time
(B)
End time
Time

1. **Use the cursor [◀] [▶] buttons and the dial to select the erase-source track/V-track.**



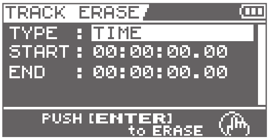
TRACK ERASE

SOURCE [TR12 - V8]

PUSH [ENTER] to SET TIME

2. **Press the [ENTER] button.**

   The time setting screen will appear.



TRACK ERASE

TYPE : TIME
START : 00:00:00.00
END : 00:00:00.00

PUSH [ENTER] to ERASE

3. **Use the cursor buttons and the dial to specify the time location.**

4. **To erase the data, press the [ENTER] button.**

   A message will ask "Are you sure?"

   If you decide to cancel the procedure, press the [EXIT] button.

5. **Press the [ENTER] button.**

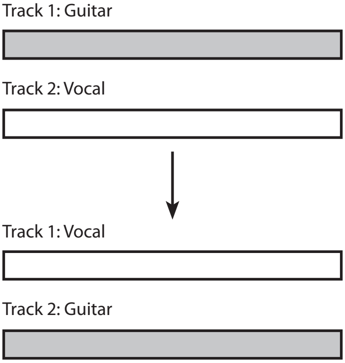
   The erase will be carried out.

   * The display will indicate "Keep power on!" while the data is being updated. Do not turn off the power while this message is shown.

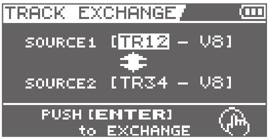
Exchanging Data (TRACK EXCHANGE)

This operation exchanges data between two tracks.

Example:
Exchanging the entire contents of tracks 1 and 2



1. **Use the cursor [◀] [▶] buttons and the dial to select the tracks and V-tracks that you want to exchange.**



TRACK EXCHANGE

SOURCE1 [TR12 - V8]
SOURCE2 [TR34 - V8]

PUSH [ENTER] to EXCHANGE

2. **To exchange the data, press the [ENTER] button.**

   A message will ask "Are you sure?"

   If you decide to cancel the procedure, press the [EXIT] button.

3. Press the [ENTER] button.

The exchange will be carried out.

* The display will indicate "Keep power on!" while the data is being updated. Do not turn off the power while this message is shown.

Importing Audio Data (TRACK IMPORT)

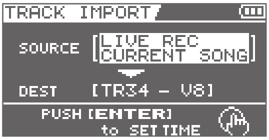
By using this operation, data recorded in LIVE REC mode or eBand mode can be imported into the track you specify.

Before you execute this operation, you must select the appropriate song in the other mode.

LIVE REC mode (p. 47)

eBand mode (p. 94)

1. Use the cursor [▲] [▼] buttons and the dial to select the data you want to import and the track and V-track into which the data will be imported.



TRACK IMPORT

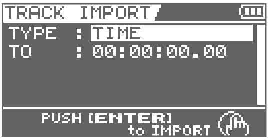
SOURCE [LIVE REC CURRENT SONG]

DEST [TR34 – V8]

PUSH [ENTER] to SET TIME

2. Press the [ENTER] button.

The time setting screen will appear.



TRACK IMPORT

TYPE : TIME

TO : 00:00:00.00

PUSH [ENTER] to IMPORT

3. Use the cursor buttons and the dial to specify the time location.

4. To import the data, press the [ENTER] button.

A message will ask "Are you sure?"

If you decide to cancel the procedure, press the [EXIT] button.

5. Press the [ENTER] button.

The import will be carried out.

* The display will indicate "Keep power on!" while the data is being updated. Do not turn off the power while this message is shown.

Cancelling an Operation (UNDO/REDO)

If you're not satisfied with your recording, or if you edited with the wrong settings, you can use "undo" to cancel the operation.

Undo means to return to the state prior to the most recent operation. If you decide to cancel Undo, you can use "Redo."

For example, let's suppose that you were using punch-in recording, and recorded the same region twice in succession. If you wanted to cancel the most recent recording and return to the state just after the first recording, you would execute the Undo operation.

After executing Undo, you could execute Redo to cancel the Undo and return to the state just after the second recording.

NOTE

- After executing Undo, only Redo can be executed.
- Undo applies to audio data recorded on a track.

Returning to the Previous State (UNDO)

If you want to cancel the most recent recording or editing operation, execute Undo.

1. **Press the [MENU] button.**
2. **Use the cursor [◀] [▶] buttons to move the cursor to "TRACK EDIT," and press the [ENTER] button.**
3. **Use the cursor [◀] [▶] buttons to move the cursor to "UNDO/REDO," and press the [ENTER] button.**

   The UNDO/REDO screen will appear.
4. **To execute Undo, press the [ENTER] button.**

   If you decide not to Undo, press the [EXIT] button.

Canceling the Undo (REDO)

If you want to cancel the previously performed Undo operation, execute Redo.

1. **Press the [MENU] button.**
2. **Use the cursor [◀] [▶] buttons to move the cursor to "TRACK EDIT," and press the [ENTER] button.**
3. **Use the cursor [◀] [▶] buttons to move the cursor to "UNDO/REDO," and press the [ENTER] button.**

   The UNDO/REDO screen will appear.
4. **To execute the Redo, press the [ENTER] button.**

   If you decide not to Redo, press the [EXIT] button.

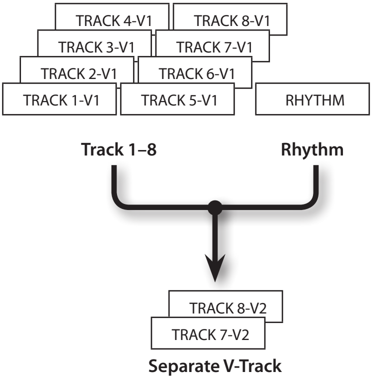
Quick Start
Preparations
LIVE REC Mode
MTR Mode
eBand Mode
Convenient Functions
Appendix

Mastering

Putting Multiple Tracks Together (BOUNCE)

Although the BR-80 allows the simultaneous playback of eight tracks, when you run out of tracks, the BR-80 also lets you copy the recordings of multiple tracks together onto one track (V-Track). This is called “bounce” (also known as bounce recording or ping-pong recording). By combining multiple tracks in this way, you can free up other tracks in order to record additional performances.

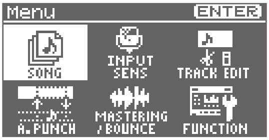
In Bounce mode, you can play back eight tracks simultaneously and record them all to a single, separate V-Track.


TRACK 4-V1
TRACK 8-V1
TRACK 3-V1
TRACK 7-V1
TRACK 2-V1
TRACK 6-V1
TRACK 1-V1
TRACK 5-V1
RHYTHM
Track 1–8
Rhythm
TRACK 8-V2
TRACK 7-V2
Separate V-Track

1. **In the mixer screen (p. 63–p. 66), make the desired playback track settings.**

2. **Press the [MENU] button.**

   The Menu screen will appear.


Menu
ENTER
SONG
INPUT SENS
TRACK EDIT
A.PUNCH
MASTERING /BOUNCE
FUNCTION

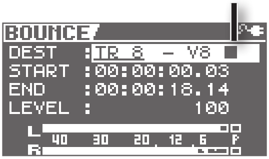
3. **Use the cursor [◀] [▶] buttons to move the cursor to “MASTERING/ BOUNCE,” and press the [ENTER] button.**

4. **Use the cursor [◀] [▶] buttons to move the cursor to “BOUNCE,” and press the [ENTER] button.**

   The BOUNCE screen will appear.

□: V-track containing no data

■: V-track containing data



BOUNCE
DEST :TR 8 – V8 ■
START :00:00:00.03
END :00:00:18.14
LEVEL : 100

L
R
40
30
20
12
6
P

The icon shown at the right of the bounce-destination V-track name indicates whether that V-track contains data.

5. Make bounce settings.

Use the cursor [▲] [▼] buttons and the dial to select the item that you want to edit, and use the dial to edit the setting.

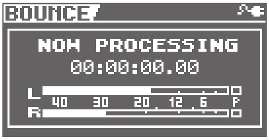
Parameter	Explanation
DEST	Specifies the bounce-destination V-track.
START	Specifies the location at which bounce will start.
END	Specifies the location at which bounce will end.
LEVEL	Specifies the volume of the bounce-recorded V-track. Set the volume level so it is as high as you can get it without causing the sound to distort.

6. Press the [●] (REC) button.

The BR-80 will enter recording-standby mode.

7. Press the [▶] (PLAY) button.

The bounce operation will begin.



BOUNCE

NOW PROCESSING
00:00:00.00

If you decide not to bounce, press the [■] (STOP) button or the [EXIT] button.

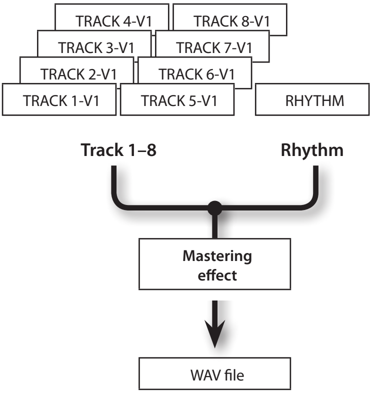
When the bounce operation has been completed, you'll be returned to the level meter screen.

MEMO

Bounce operation will stop automatically upon reaching the time set for END.

Mastering (MASTERING)

This chapter explains the process of mixing down your recorded tracks onto WAV file and applying a "mastering effect" to create a finished song with the optimal volume level.



What is the mastering effect?

When creating a CD from your recorded songs, it's important to manage the overall volume so that the loudest section of your songs will stay within the available range of the CD. However this will lower the overall volume, causing the music to sound less powerful.

Additionally, excessive sound in the low frequency range that is difficult for the human ear to hear can cause the level meter to move all the way to the maximum in spite of the fact that the actual sound does not appear to be loud. This can also make your music sound less powerful.

By using the mastering effect, you can make the volume of your song more consistent, and correct the balance of the low-frequency range.

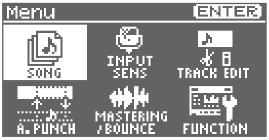
We recommend that you use the mastering effect to add the final touch to your song.

* The mastering effect provides 19 "preset patches" (P01–P19), 10 rewritable "user patches" (U01–U10), and 10 "song patches" (S01–S10) which are stored for each song.

1. In the mixer screen (p. 63–p. 66), make the desired playback track settings.

2. Press the [MENU] button.

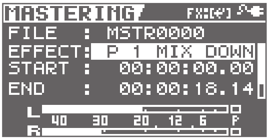
The Menu screen will appear.



3. Use the cursor buttons to move the cursor to "MASTERING/BOUNCE," and press the [ENTER] button.

4. Use the cursor [◀] [▶] buttons to move the cursor to "MASTERING," and press the [ENTER] button.

The BR-80 will enter mastering mode, and the MASTERING screen will appear.


MASTERING

FILE : MSTR0000
EFFECT: P 1 MIX DOWN
START : 00:00:00.00
END : 00:00:18.14

5. Make mastering settings.

Use the cursor [▲] [▼] buttons and the dial to select the item that you want to edit, and use the dial to change the settings.

Parameter	Explanation
FILE	Shows the name of the WAV file that will be created by mastering.
EFFECT	Selects the mastering effect.
START	Specifies the location at which mastering is to start.
END	Specifies the location at which mastering is to end.
LEVEL	Specifies the volume of the WAV file that will be created by mastering. Set the volume level so it is as high as you can get it without causing the sound to distort.

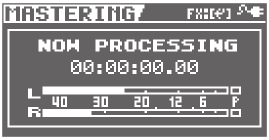
You can press the [▶] (PLAY) button to audition the result of mastering with the current settings.

6. Press the [●] (REC) button.

The BR-80 will enter recording-standby mode.

7. Press the [▶] (PLAY) button.

Mastering will begin.


MASTERING

NOW PROCESSING
00:00:00.00

If you decide not to mastering, press the [■] (STOP) button or the [EXIT] button.

When mastering is completed, you'll be returned to the level meter screen.

MEMO

- Mastering operation will stop automatically upon reaching the time set for END.
- The mastered song will be saved as a WAV file in the ROLAND/MASTERING folder.
- The saved WAV file can be recalled and played in eBand mode (p. 94).

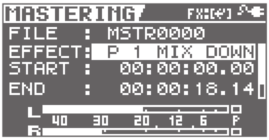
Editing the Mastering Effect Settings

To create a new patch, choose the existing patch that's closest to what you have in mind, and then edit its settings.

If you want to keep the edited settings, save them as a user patch or song patch.

1. Select mastering mode (p. 81).

The MASTERING screen will appear.



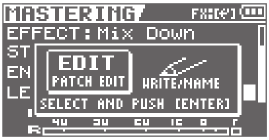
MASTERING

FILE : MSTR0000
EFFECT: P 1 MIX DOWN
START : 00:00:00.00
END : 00:00:18.14

2. Use the cursor [▲] [▼] buttons to move the cursor to "EFFECT," and choose a mastering effect.

3. Press the [ENTER] button.

The Menu screen will appear.

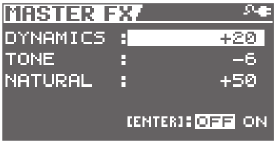


MASTERING

EFFECT: Mix Down

4. Use the cursor [◀] [▶] buttons to move the cursor to "EDIT," and press the [ENTER] button.

The MASETER FX screen will appear.



MASTER FX

DYNAMICS : +20
TONE : -6
NATURAL : +50

[ENTER]: OFF ON

5. Use the cursor [▲] [▼] buttons to move the cursor to each parameter, and use the dial to set the value of each effect parameter.

If you want to save the current effect settings, proceed as described in "Saving the Mastering Effect Settings" (p. 84).

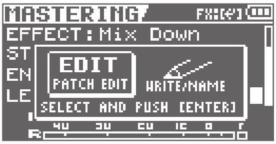
Value	Explanation
DYNAMICS	
-20–+20	This adjusts the variation in volume between loud and soft passages in the performance. Raising this setting will decrease the variation in volume. Although this is a convenient way to improve the overall loudness for your song, it will decrease the natural dynamics of the music. Lowering this setting will increase the variation in volume; while this will make it difficult to obtain overall loudness for your song, the music will be closer to the natural dynamic variation of the original performance. If this setting is at 0, the mastering effect will produce its standard effect.
TONE	
-6–+6	If you raise this setting, the low-frequency and high-frequency ranges will be boosted, producing a more aggressive tone. If you lower this setting, the low-frequency and high-frequency ranges will not be boosted, and the tone will be mild. If this setting is at 0, the mastering effect will produce its standard effect.
NATURAL	
-50–+50	If you raise this setting, the mastering effect will be applied more gently, producing a more natural impression. Since sudden peaks in volume will still be reproduced without modification, this will make it more difficult to boost the overall loudness. If you lower this setting, the mastering effect will be applied more rapidly to sudden volume peaks, but the sense of naturalness will be impaired. If this setting is at 0, the mastering effect will produce its standard effect.

Saving the Mastering Effect Settings

Here's how to assign a name (patch name) to the effect you've created, and save it as a new effect.

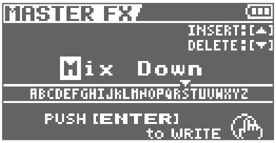
1. **In the MASTERING screen, press the [ENTER] button.**

   The Menu screen will appear.


MASTERING
FX:[?]
EFFECT:Mix Down
ST
EN
LE
EDIT
PATCH EDIT
WRITE/NAME
SELECT AND PUSH [ENTER]

2. **Use the cursor [◀] [▶] buttons to move the cursor to "WRITE/NAME," and press the [ENTER] button.**

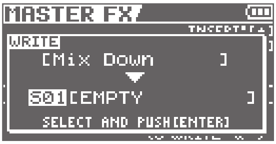
   The Name screen will appear.


MASTER FX
INSERT:[▲]
DELETE:[▼]
Mix Down
ABCDEFGHIJKLMNOPQRSTUVWXYZ
PUSH [ENTER]
to WRITE

3. **Use the cursor [◀] [▶] buttons and the dial to enter a patch name.**

4. **When you've finished entering the patch name, press the [ENTER] button.**

   The WRITE screen will appear.


MASTER FX
WRITE
[Mix Down]
S01[EMPTY]
SELECT AND PUSH[ENTER]

5. **Use cursor [◀] [▶] buttons and the dial to select the desired write-destination mastering effect.**

6. **Once you've selected the destination at which to write the mastering effect, press the [ENTER] button.**

   A confirmation message will ask "Are you sure?"

7. **Press the [ENTER] button to save the settings, or press the [EXIT] button if you decide to cancel.**

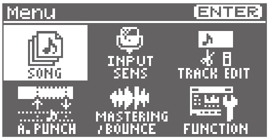
   When the settings have been saved, you'll be returned to the MASTERING screen.

Managing Your Songs (SONG)

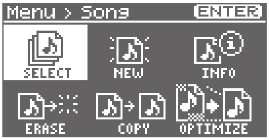
The BR-80 manages your recordings as units called “songs.”

1. Press the [MENU] button.

The Menu screen will appear.


Menu
ENTER
SONG
INPUT SENS
TRACK EDIT
A.PUNCH
MASTERING /BOUNCE
FUNCTION

2. Use the cursor [◀] [▶] buttons to move the cursor to “SONG,” and press the [ENTER] button.

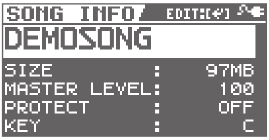

Menu > Song
ENTER
SELECT
NEW
INFO
ERASE
COPY
OPTIMIZE

3. Use the cursor [◀] [▶] buttons to select the desired operation, and press the [ENTER] button.

Items	Page
Selecting a Song (SELECT)	p. 57
Creating a New Song (NEW)	p. 57
View song information (INFO)	p. 85
Erasing a Song (ERASE)	p. 87
Copying a Song (COPY)	p. 87
Saving Space on the SD Card (OPTIMIZE)	p. 88

Making Settings for a Song (SONG INFO)

Here’s how to view or edit information about the song.


SONG INFO
EDIT:[↵]

```
DEMOSONG
SIZE        :   97MB
MASTER LEVEL:    100
PROTECT     :    OFF
KEY         :      C
```

Items	Explanation
NAME	Edits the song name. Move the cursor to NAME and press the [ENTER] button; you’ll switch to the song name editing screen (p. 86).
SIZE **(not editable)**	Indicates the size (file size) of the song.
MASTER LEVEL	Adjusts the overall volume of the song.
PROTECT	Turns song protection on/off.
KEY	Specifies the key of the song.

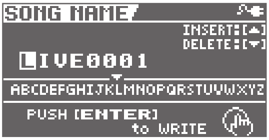
Naming a Song (SONG NAME)

When you create a new song, it will automatically be given a name such as “SONG0001.” When you’ve finished a song, you should give it an appropriate name so that your song data will be easier to manage.

1. **Access the “SONG INFO” screen (p. 85).**

2. **Use the cursor [▲] [▼] buttons to move the cursor to “INFO,” and press the [ENTER] button.**

   The SONG INFO screen will appear.



3. **Use the cursor [◀] [▶] buttons to move the cursor to the character that you want to edit.**

4. **Turn the dial to select the desired character.**

   Press the cursor [▲] button to insert one character at the selected location.

   Press the cursor [▼] button to delete the selected character.

5. **Press the [ENTER] button.**

   A message will ask “Are you sure?”

   If you decide to cancel the procedure, press the [EXIT] button.

6. **Press the [ENTER] button.**

   The name will be changed.

   * While the data is being updated, the display will indicate “Keep power on!” Do not turn off the power while this message is shown.

Protecting a Song (SONG PROTECT)

You can protect the song data from being rewritten (Song Protect).

If Song Protect is enabled, the following operations cannot be performed.

- Recording
- Track editing
- Changing the song name
- Changing the MASTER LEVEL
- Changing the KEY
- Song erase
- Rhythm editing
- Writing to the song effect patches
- Song optimize

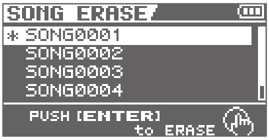
1. **Access the “SONG INFO” screen (p. 85).**

2. **Use the cursor [▲] [▼] buttons to move the cursor to “PROTECT.”**

3. **Use the dial to select the “ON” setting.**

Erasing a Song (SONG ERASE)

Here's how to erase a song.


SONG ERASE
* SONG0001
SONG0002
SONG0003
SONG0004
PUSH [ENTER] to ERASE

NOTE

Song data erased by the Song Erase operation cannot be recovered.

1. **Use the dial to select the song that you want to erase.**

2. **To erase the song, press the [ENTER] button.**

   A message will ask "Are you sure?"

   If you decide to cancel the procedure, press the [EXIT] button.

3. **Press the [ENTER] button.**

   The song will be erased.

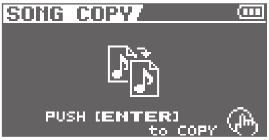
   * While the data is being updated, the display will indicate "Keep power on!" Do not turn off the power while this message is shown.

MEMO

If you erase the song that you're currently using, a song from the SD card will automatically be selected.

Copying a Song (SONG COPY)

Here's how to copy the currently selected song.


SONG COPY
PUSH [ENTER] to COPY

1. **To copy the song, press the [ENTER] button.**

   A message will ask "Are you sure?"

   If you decide to cancel the procedure, press the [EXIT] button.

2. **Press the [ENTER] button.**

   The copy will be executed.

   * While the data is being updated, the display will indicate "Keep power on!" Do not turn off the power while this message is shown.

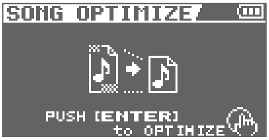
MEMO

If this message appears before you copy, there is insufficient space on the SD card. Please delete unneeded data from the SD card.

Saving Space on the SD Card (SONG OPTIMIZE)

When you perform track editing or punch-in/out, the previous data will remain on the SD card without being erased. This will reduce the available recording time.

By executing the "Song Optimize" operation you can erase unneeded data from the memory card and increase the amount of space that's available.



SONG OPTIMIZE

PUSH [ENTER] to OPTIMIZE

1. **To execute the Song Optimize operation, press the [ENTER] button.**

   A message will ask "Are you sure?"

   If you decide to cancel the procedure, press the [EXIT] button.

2. **Press the [ENTER] button.**

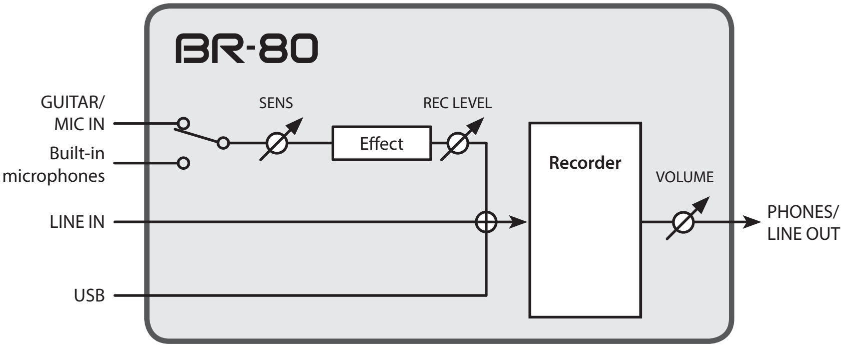
   The Song Optimize operation will be executed.

   The Song Optimize operation erases the unneeded and unplayable audio data from all V-tracks.

   * While the data is being updated, the display will indicate "Keep power on!" Do not turn off the power while this message is shown.
   * In some cases, it may take an appreciable amount of time for optimization to be completed. This is not a malfunction. Don't turn off the power before optimization has ended.
   * Once you carry out Song Optimize, you'll no longer be able to perform an Undo or Redo.

Practicing Along With a Completed Song (eBand Mode)

Audio signal flow in eBand mode


BR-80
GUITAR/ MIC IN
Built-in microphones
LINE IN
USB
SENS
Effect
REC LEVEL
Recorder
VOLUME
PHONES/ LINE OUT

- The built-in microphones will turn off when you connect a cable to the GUITAR/MIC IN jack.
- If you want to use the built-in microphones, don't connect anything to the GUITAR/ MIC IN jack.
- The signal from LINE IN jack and USB connector is mixed with the input from GUITAR/ MIC IN jack or the built-in microphones, and then input to the recorder. Use the controls of the connected devices to adjust the volume balance.
- To record only the sound arriving at the LINE IN jack and USB connector, turn the [REC LEVEL] dial all the way down.

Procedural Flow in eBand Mode

In eBand mode, you can record a guitar performance together with a backing song.

This mode allows you to gain effective practice on your guitar---you can change the playback speed of a song or change the performance pitch, and you can make use of the Center Cancel function.

Prepare for Performance

Make Connections (p. 40)
Switching to Band Mode (p. 91)
Selecting Songs (p. 94)

Play the Song

Playback (p. 92)

Apply an Effect While Playing

Using Effects (p. 97)
Easily create an insert effect (p. 110)

Practice

Changing the Song’s Speed or Pitch (p. 95)
Canceling Sounds in the Center (p. 96)

Record Your Performance

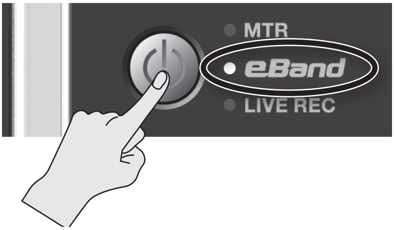
Recording (p. 93)

* The song you’ve recorded can be played back in eBand mode.

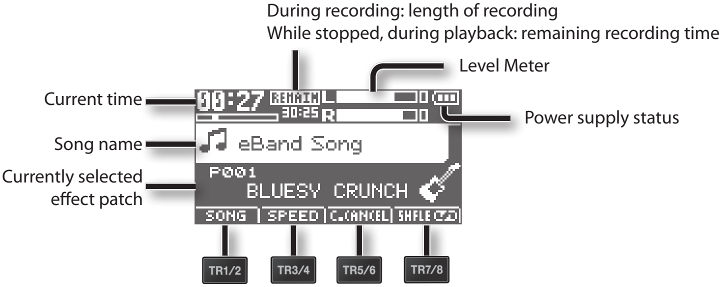
Playback/Recording

Switching to eBand Mode

1. Press the [⏻] button a number of times until the eBand indicator is lit.


MTR
eBand
LIVE REC

The BR-80 will enter eBand mode, and the main screen will appear.

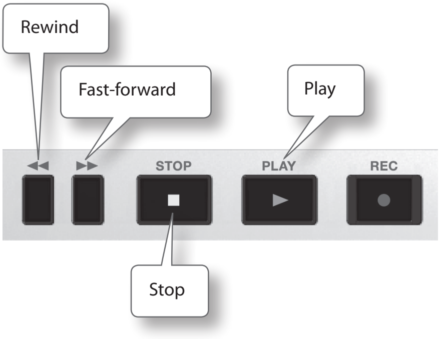

During recording: length of recording
While stopped, during playback: remaining recording time
Level Meter
Current time
Power supply status
Song name
Currently selected effect patch
00:27
REMAIN
30:25
L
R
eBand Song
P001
BLUESY CRUNCH
SONG
SPEED
C.CANCEL
SHFLE
TR1/2
TR3/4
TR5/6
TR7/8

The track buttons act as function buttons to execute the functions shown at the bottom of the screen.

Power supply status

Indication	Explanation
🔌	Power is being supplied from the AC adaptor.
⑂	Power is being supplied from the computer.
[▮▮▮]	The batteries are in good condition.
[▮▮]	The batteries are running low.
[▮]	The batteries are almost empty. Install fresh batteries as soon as possible.
[ ]	The batteries are empty. Install fresh batteries.

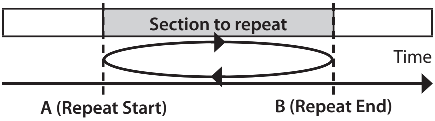
Playback


Rewind
Fast-forward
Play
STOP
PLAY
REC
Stop

1. **Connect the instrument you want to record to the GUITAR/MIC IN jack (p. 40).**
2. **Press the [TR1/2] (SONG) button, and choose a song in the SONG LIST screen (p. 94).**
3. **Press the [▶] (PLAY) button to play back the song.**
4. **Use the [VOLUME] dial to adjust the volume.**
5. **Press the [■] (STOP) button to stop playback.**

Playing Back Repeatedly (AB Repeat)

Use this feature for guitar solo practice and in other situations where you want to practice along with a single section as it plays back repeatedly.

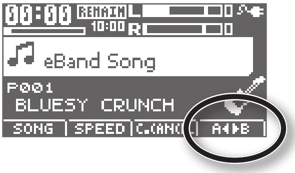

Section to repeat
Time
A (Repeat Start)
B (Repeat End)

1. **Press the [▶] button.**

   The song will play back.

2. **Press the [A◀ ▶B] button at the point where you want to start repeating (point A).**
3. **Press the [A◀ ▶B] button at the point where you want to stop repeating (point B).**

   AB Repeat will turn on, and playback will begin repeating.


00:00
REMAIN
10:00
L
R
eBand Song
P001
BLUESY CRUNCH
SONG
SPEED
C.CANC
A◀▶B

AB Repeat	Explanation
A◀	Time location "A" has been registered for AB Repeat.
A◀▶B	Playback will repeat between time locations "A" and "B" (AB Repeat).

MEMO

- To cancel AB Repeat, press the [A◀▶B] button once again.
- You can make fine adjustments to the AB Repeat start and end points. For details, refer to "Precise Adjustment of the Repeat Segment (AB EDIT)" (p. 100).

Recording

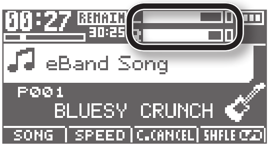
Here's how the sounds you're performing in eBand mode can be recorded as a separate eBand song.

Using the GUITAR/MIC IN Jack for Recording

1. Connect the instrument you want to record to the GUITAR/MIC IN jack (p. 40).

2. Use the [REC LEVEL] dial to adjust the recording level.

Adjust the loudness of the sound to be recorded.



3. Press the [●] (REC)button.

Recording will begin.

4. Press the [▶] (PLAY) button to start song playback.

Perform along with the song.

5. Press the [■] (STOP)button.

Recording will stop.

MEMO

- A song name such as SONG0001 will be created automatically.
  The 0001 portion will be the number following the highest-numbered song that exists.
- You can easily find songs you've recorded in the BR-80 by using the "USER" category in the SEARCH function.

Recording with the Built-in Microphones

If you want to use the built-in microphones, don't connect anything to the GUITAR/MIC IN jack.

NOTE!

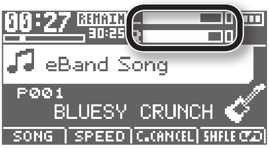
If you plan on listening to the sound through monitor speakers while you record, use due caution when placing microphones, so their position and distance relative to the speakers won't be the cause of acoustic feedback.

1. Press the [●] (REC)button.

The BR-80 will enter recording-standby mode.

2. Use the [REC LEVEL] dial to adjust the recording level.

Adjust the loudness of the sound you'll be recording.



3. Press the [●] (REC) button once again.

Recording will start.

4. Press the [▶] (PLAY) button to start song playback.

Perform along with the song.

5. Press the [■] (STOP)button.

Recording will stop.

Playback

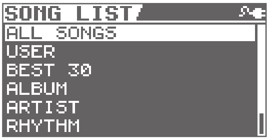
You can connect your guitar or microphone, and perform along with the song that's playing back.

Selecting Songs (SONG)

Here's how to select the song or rhythm that you want to play.

1. **Press the [TR1/2] (SONG) button.**

   The SONG LIST screen will appear.



2. **Select the search type with the dial and press the [ENTER] button.**

Search Type	Explanation
ALL SONGS	Songs recorded with the BR-80, registered album title or artist name are listed.
USER	Songs recorded with the BR-80 are listed.
BEST 30	Only the thirty favorite songs are listed, if these songs have already been ranked (1–30) (p. 100).
ALBUM/ARTIST	Songs are listed by album title (ALBUM) or artist name (ARTIST). * These headings are available when album titles and artist names are registered to the songs. By using the included eBand Song List Editor (p. 107) you can use your computer to register and edit album names and artist names.
RHYTHM	Only short phrases (RHYTHM LOOP) contained on the card included with the BR-80 are listed. * By using the included eBand Song List Editor (p. 107) you can use your computer to add your favorite audio files as rhythms.
MASTERING	Displays files created by mastering in MTR mode.
LIVE REC	Displays files recorded in LIVE REC mode.
PREVIOUS SONG	Returns to the song that was selected prior to recording.

3. **Use the dial to select a song, and press the [ENTER] button.**

By using eBand Song List Editor you can add songs and edit song data on your computer.

For details on installation, refer to "ReadmeEN.txt" on the included SD card.

For details on use, refer to the online help included with the software.

MEMO

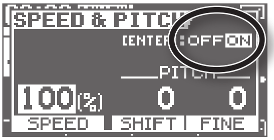
- The BR-80 can handle up to a maximum of 4,000 songs.
- You can register up to 2,000 headings, including those for Album Title, Artist Name.

Changing the Song's Speed or Pitch (SPEED)

Here's how to change the song's playback speed (tempo) or pitch.

1. **Press the [TR3/4] (SPEED) button.**

   The SPEED screen will appear.



2. **Press the [ENTER] button to switch SPEED on/off.**

   It will turn on/off each time you press the [ENTER] button.

3. **Use the cursor [◀] [▶] buttons to select a parameter, and use the dial to edit the setting.**

Changing the playback speed

You can set the SPEED parameter in a range from 50% (half the original speed) to 150% (1.5 times the original speed).

To return to the original speed, set this to 100%.

Parameter	Explanation
SPEED	Changes the playback speed. You can change the playback speed without changing the pitch.

Changing the pitch

The PITCH parameter changes the key of the song.

Parameter	Explanation
SHIFT	Raises or lowers the pitch in semitone steps. Range: -6–+7
FINE	Adjusts the pitch in fine steps of 1 cent. Range: -50–+50

* Semitone = 100 cents.

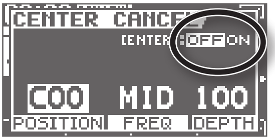
4. **Press the [EXIT] button to return to the basic screen.**

Canceling Sounds in the Center (CENTER CANCEL)

Here's how you can minimize sounds that are localized at the center.

1. **Press the [TR5/6] (CENTER CANCEL) button.**

   The CENTER CANCEL screen will appear.



2. **Press the [ENTER] button to switch CENTER CANCEL on/off.**

   It will turn on/off each time you press the [ENTER] button.

3. **Use the cursor [◀] [▶] buttons to select a parameter, and use the dial to edit the setting.**

Parameter	Explanation
POSITION	Specify the location in the sound field of the sound you want to eliminate. L50: left, C0: center, R50: right
FREQ	Specify the frequency range of the sound you want to eliminate.
DEPTH	Increasing this value will make the effect stronger.

4. **Press the [EXIT] button a number of times to return to the basic screen.**

MEMO

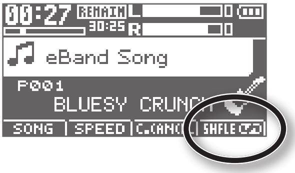
- It might not be possible to completely eliminate certain types of sound.
- The playback will be monaural.

Specifying the Type of Playback (PLAY MODE)

Here you can specify how the songs will play back. You can choose the basic play mode in which the songs play consecutively starting from the first song, or play just the selected single song, or play songs in random order (shuffle play).

1. **Press the [TR7/8] (PLAY MODE) button.**

   The play mode is indicated in the main screen in the circled location of the illustration.



Each time you press the [TR7/8] (PLAY MODE) button, this parameter will be switched in the following order.

PLAY MODE	Explanation
ONE →	The current song plays to the end and stops.
ONE ⇄	Playback of the current song is repeated.
LIST →	Songs are played back in the listed order.
LIST ⇄	Playback of songs in the list is repeated.
SHFLE	Songs in the list are played back in random order.
SHFLE ⇄	Playback of songs in list is repeated in random order.

Using Effects

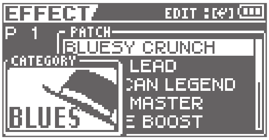
eBand mode provides two effects processors (insert effect and reverb).

Selecting an Effect

Here's how to choose the effect that's applied to the input from the GUITAR/MIC IN jack.

1. **Press the [COSM] button.**

   The effect patch select screen will appear.



   The effect will turn on/off each time you press the [COSM] button.

2. **Use the cursor [◀] [▶] buttons to move the cursor to "CATEGORY," and use the dial to select the desired category.**

3. **Use the cursor [◀] [▶] buttons to move the cursor to "PATCH," and use the dial to select the desired patch.**

   * Song patches cannot be used in eBand mode.

4. **Press the [EXIT] button a number of times to return to the basic screen.**

MEMO

For details on the effects, refer to "Editing the Insert Effect Settings (EDIT)" (p. 110).

Apply Reverb

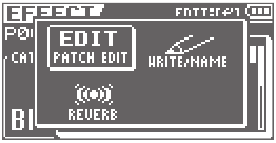
Here's how to make settings for the reverberation (reverb) that's applied to the input from the GUITAR/MIC IN jack.

1. **Press the [COSM] button.**

   The effect patch select screen will appear.

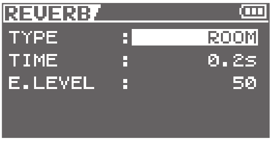
2. **Press the [ENTER] button.**

   The Menu screen will appear.



3. **Use the cursor [◀] [▶] buttons to move the cursor to "REVERB," and press the [ENTER] button.**

   The screen for detailed reverb settings will appear.



REVERB
TYPE : ROOM
TIME : 0.2s
E.LEVEL : 50

4. **Use the cursor [▲] [▼] buttons to select a parameter, and use the dial to edit the setting.**

Parameter	Value
TYPE	ROOM, HALL, PLATE
TIME	0.1 s–10.0 s
E.LEVEL	0–100

5. **Press the [EXIT] button a number of times to return to the basic screen.**

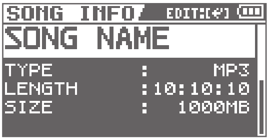
Other Functions

Making Settings for a Song (SONG INFO)

Here's how to view or edit information about the song.

1. **Press the [MENU] button.**
2. **Use the cursor [◀] [▶] buttons to move the cursor to "SONG," and press the [ENTER] button.**
3. **Use the cursor [◀] [▶] buttons to move the cursor to "INFO," and press the [ENTER] button.**

   The SONG INFO screen will appear.


SONG INFO
EDIT:[↵]
SONG NAME
TYPE : MP3
LENGTH :10:10:10
SIZE : 1000MB

4. **Use the cursor [▲] [▼] buttons to select a parameter, and use the dial to edit the setting.**

Parameter	Explanation
NAME	Edits the song name. Move the cursor to NAME and press the [ENTER] button; you'll switch to the song name editing screen (p. 98.)
TYPE (not editable)	Indicates the file type.
LENGTH (not editable)	Indicates the length of the song (time).
SIZE (not editable)	Indicates the size (file size) of the song.
LEVEL	Specifies the song's volume.
PROTECT	Turns protection on/off for the song.
PATCH SYNC	Stores the effect patch number in the song. If this is off, playback will use the current effect settings.
KEY	Specifies the key of the song.

Naming a Song (SONG NAME)

When you record a song, it will automatically be given a name such as "SONG0001." When you've finished a song, you should give it an appropriate name so that your song data will be easier to manage.

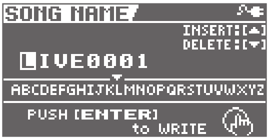
* The BR-80 can't edit the name of a song that was edited in eBand Song List Editor.

1. **Press the [MENU] button.**
2. **Use the cursor [◀] [▶] buttons to move the cursor to "SONG," and press the [ENTER] button.**
3. **Use the cursor [◀] [▶] buttons to move the cursor to "INFO," and press the [ENTER] button.**

   The SONG INFO screen will appear.

4. **Use the cursor [▲] [▼] buttons to move the cursor to "NAME," and press the [ENTER] button.**

   The SONG NAME screen will appear.



5. **Use the cursor [◀] [▶] buttons to move the cursor to the character that you want to edit.**

6. **Turn the dial to select the desired character.**

   Press the cursor [▲] button to insert one character at the selected location.

   Press the cursor [▼] button to delete the selected character.

7. **Press the [ENTER] button.**

   A message will ask "Are you sure?"

   If you decide to cancel the procedure, press the [EXIT] button.

8. **Press the [ENTER] button.**

   The name will be changed.

   * While the data is being updated, the display will indicate "Keep power on!" Do not turn off the power while this message is shown.

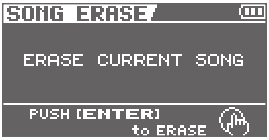
Erasing a Song (SONG ERASE)

Here's how to erase the currently selected song.

1. **Press the [MENU] button.**

2. **Use the cursor [◀] [▶] buttons to move the cursor to "SONG," and press the [ENTER] button.**

3. **Use the cursor [◀] [▶] buttons to move the cursor to "ERASE," and press the [ENTER] button.**



SONG ERASE

ERASE CURRENT SONG

PUSH [ENTER] to ERASE

4. **Press the [ENTER] button.**

   A message will ask "Are you sure?"

   If you decide to cancel the procedure, press the [EXIT] button.

5. **Press the [ENTER] button.**

   The song will be erased.

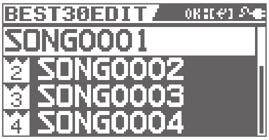
   * While the data is being updated, the display will indicate "Keep power on!" Do not turn off the power while this message is shown.

Registering Your 30 Favorite Songs (BEST 30 EDIT)

Including your favorite songs, allows you to always have the songs you want appear in song lists.

1. **Before starting, first select a song you want to list in the BEST 30 (p. 94).**
2. **Press the [MENU] button.**
3. **Select "BEST 30 EDIT" with the dial and press the [ENTER] button.**

   The BEST 30 EDIT screen will appear.



BEST30EDIT OK:[↵]

SONG0001

2 SONG0002

3 SONG0003

4 SONG0004

4. **Determine the order (1–30) using the dial.**

MEMO

When you choose BEST30 in the song list, the songs will appear in the order you chose here.

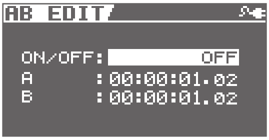
5. **Press the [ENTER] button.**

Precise Adjustment of the Repeat Segment (AB EDIT)

Here's how to precisely adjust the start time and end time for AB Repeat.

1. **Press the [MENU] button.**
2. **Use the cursor [◀] [▶] buttons to move the cursor to "AB EDIT," and press the [ENTER] button.**

   The AB EDIT screen will appear.



AB EDIT

ON/OFF: OFF

A :00:00:01.02

B :00:00:01.02

3. **Use the cursor [▲] [▼] buttons and the dial to adjust the start (A) and end (B) times.**
4. **Press the [EXIT] button a number of times to return to the basic screen.**

MEMO

- You can press [ENTER] in the AB REPEAT EDIT screen to alternately switch the AB REPEAT function on and off without clearing the markers.
- With MP3 data, you may be unable to play back from a specific time (the performance starts near the specified time).

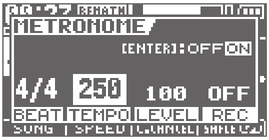
* You can't set the start time (A) and end time (B) less than 1 second apart.

Using the Metronome

In eBand mode you can sound a metronome while the song plays back.

1. Press the [RHYTHM] button.

The METRONOME screen will appear.



BEAT	TEMPO	LEVEL	REC
4/4	250	100	OFF

2. Press the [ENTER] button to switch METRONOME on/off.

3. Use the cursor [▲] [▼] buttons to select a parameter, and use the dial to edit the setting.

Parameter	Value
BEAT	Specifies the time signature.
TEMPO	Specifies the tempo.
LEVEL	Specifies the volume.
REC	ON: The metronome will be recorded with the performance.
	OFF: You'll hear the metronome, but it will not be recorded.

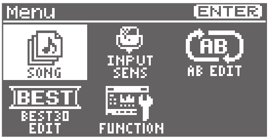
4. Press the [EXIT] button a number of times to return to the basic screen.

Changing the Song and Effects Simultaneously (PATCH SYNC)

Here's how to set the BR-80 so the effect patch stored in a song is loaded automatically when you switch songs.

1. Press the [MENU] button.

The Menu screen will appear.



2. Use the cursor [◀] [▶] buttons to move the cursor to "FUNCTION," and press the [ENTER] button.

3. Use the cursor [◀] [▶] buttons to move the cursor to "SYSTEM," and press the [ENTER] button.

4. Set the "PATCH SYNC" setting to "ON."

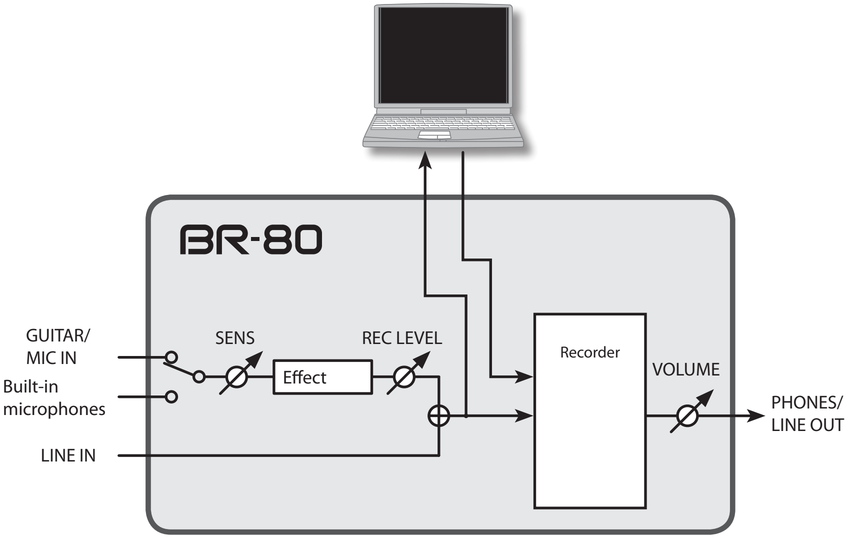
At the factory settings, this is set to "ON."

If set to "OFF," the "SONG INFO" patch sync setting (p. 98) will be ignored, and the currently selected effect patch will be used.

Even if you switch songs, the effect patch will not change.

Other Convenient Functions

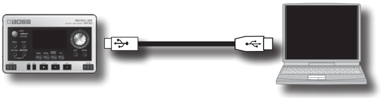
Flow of audio signals during audio interface


BR-80
GUITAR/
MIC IN
Built-in
microphones
LINE IN
SENS
Effect
REC LEVEL
Recorder
VOLUME
PHONES/
LINE OUT

- In LIVE REC mode, you can only record via the stereo microphones that are built into the BR-80.
- Effects are not applied in LIVE REC mode.

Connecting the BR-80 to a Computer

Before Using USB



The BR-80 is equipped with a USB connector. When connected to your computer, you'll be able to perform the following operations.

- Use the BR-80 as an audio interface (p. 109).
- Transfer audio data between the BR-80 and your computer (p. 106).
- Back up BR-80 data (p. 107).
- Import SMF music file to create a pattern (p. 72).

MEMO

For details on USB operating requirements, refer to the Roland website (http://www.roland.com/).

Installing the USB Driver

Before you use the BR-80 as an audio interface, you must install the USB driver in your computer.

The USB driver is on the included SD card.

For details on where to find the USB driver, refer to "ReadmeEN.txt" on the included SD card. You should also carefully read the "Readme.htm" file in the folder containing the driver for each operating system.

Making Settings for USB Functionality

This section explains how to make settings for the BR-80's USB-related functionality. Make the settings that are appropriate for how you're using the BR-80.

1. **Press the [MENU] button.**

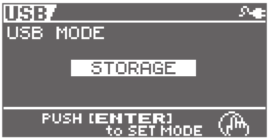
   The Menu screen will appear.

2. **Use the cursor [◀] [▶] buttons to move the cursor to "FUNCTION," and press the [ENTER] button.**

   The FUNCTION screen will appear.

3. **Use the cursor [◀] [▶] buttons to move the cursor to "USB," and press the [ENTER] button.**

   The USB screen will appear.



USB

USB MODE

STORAGE

PUSH [ENTER] to SET MODE

4. **Use the dial to specify the USB mode.**

USB mode	Explanation
AUDIO	Choose this mode when you want to use the BR-80 as an audio interface.
STORAGE	Choose this mode when using eBand Song List Editor or BR Series Wave Converter, or when you want to exchange data with a computer.

If you decide to cancel the procedure, press the [EXIT] button.

5. **Press the [ENTER] button to return to the basic screen.**

Data Structure on the SD Card

The folders and files created on the SD card are in the following structure.

* Do not delete or rename any folder or file that's been created on the SD card.

Root Directory
- ReadmeEN.txt
- ReadmeJP.txt
- ROLAND Folder
  - BR0 Folder
    - MTR Mode song data
  - JS Folder
    - eBand song data
  - LIVEREC Folder
    - WAVE file
  - MASTERING Folder
    - WAVE file
  - SMF Folder
    - SMF file
- Win.zip
  - Drivers Folder
  - x64Drivers Folder
  - Song List Folder
  - Wave Converter Folder
- Mac.dmg
  - Drivers Folder
  - Song List Folder
  - Wave Converter Folder

ROLAND folder

The BR-80's data is saved in the following folders.

BR0 folder

MTR Mode song data is saved in this folder.

JS folder

eBand song data is saved in this folder.

LIVEREC folder

WAV/MP3 files used in LIVE REC mode are saved in this folder. If you place WAV/MP3 files from your computer in this folder, you'll be able to play them back on the BR-80.

You can also copy WAV/MP3 files created on the BR-80 from the LIVEREC folder to your computer. For details, refer to "Exchanging Data with Your Computer" (p. 106).

MASTERING folder

WAV files mastered in MTR mode are saved in this folder.

You can also copy WAV files from the MASTERING folder to your computer. For details, refer to "Exchanging Data with Your Computer" (p. 106).

SMF folder

SMF (Standard MIDI Files) you're using to create song patterns should be placed in this folder.

Win.zip

This folder contains the USB driver, eBand Song List Editor, and BR Series Wave Converter for Windows.

For details, refer to "ReadmeEN.txt," which can be found on the supplied SD card.

Mac.dmg

This folder contains the USB driver, eBand Song List Editor, and BR Series Wave Converter for Mac OS X.

For details, refer to "ReadmeEN.txt," which can be found on the supplied SD card.

Quick Start
Preparations
LIVE REC Mode
MTR Mode
eBand Mode
Convenient Functions
Appendix

Exchanging Data with Your Computer

Set the USB mode to STORAGE before you connect the BR-80 to your computer (p. 104).

Transferring WAV Files

1. **Press the [EXIT] button to return to the main screen.**

2. **Use a USB cable to connect the BR-80 to your computer.**

   When the BR-80 has been correctly recognized by the computer, the IDLING screen will appear.

   A “BR-80 eBand” icon (or a “removable disk (*:)” icon) will appear on your computer.

   If the IDLING screen does not appear, check the connections and USB mode (p. 104).

3. **On your computer, double-click the “BR-80 eBand” icon (or “Removable disk (*:)” icon.**

4. **Double-click the “ROLAND” folder.**

   The folder in which the BR-80 stores recorded data will appear.

   To transfer files used in LIVE REC mode

   Double-click the “LIVEREC” folder to see the audio files saved in the folder.

   Drag and drop the audio files that you want to copy.

   To transfer files mastered in MTR mode

   Double-click the “MASTERING” folder to see the WAV files saved in the folder.

   Drag and drop the WAV files that you want to copy.

5. **Stop the connection between the BR-80 and your computer.**

   After carrying out the following procedure on your personal computer, wait until the IDLING screen has reappeared on the BR-80.

   Windows users

   From the Windows Start menu, choose “Computer.”

   Right-click the “BR-80 eBand” icon (or the “Removable disk (*:)” icon), and then execute “Eject.”

   Mac OS users

   Drag the “BR-80 eBand” icon to the “Eject” icon.

6. **Turn the BR-80’s power off.**

   NOTE

   The SD card might be damaged if you fail to stop the connection between the BR-80 and your computer using the correct procedure.

7. **Disconnect the USB cable.**

   If you wish to continue using the unit, turn off the power, then turn it back on again.

Using BR Series Wave Converter

By using “BOSS BR Series Wave Converter” you can convert BR-80 audio data to WAV/AIFF files, or convert WAV/AIFF files from your computer to BR-80 audio data.

“BR Series Wave Converter” is on the included SD card.

For details on where to find “BOSS BR Series Wave Converter,” refer to “ReadmeEN.txt” on the included SD card.

Using eBand Song List Editor

By using “eBand Song List Editor” you can convert songs from a music CD to BR-80 audio data, convert WAV/AIFF files to BR-80 audio data, and edit song data stored on the BR-80’s SD card.

“eBand Song List Editor” is provided on the included SD card.

For details on where to find “eBand Song List Editor,” refer to “ReadmeEN.txt” on the included SD card.

Saving Data on Your Computer

Set the USB mode to STORAGE before you connect the BR-80 to your computer (p. 104).

When your SD card has filled up, or if you want to save important data on your computer, you can create a backup. It’s a good idea to make regular backups as a safeguard against unexpected failure of your SD card.

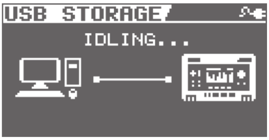
The following types of song data will be backed up.

- MTR Mode song data
  (Recorded data, Mixer status, Insert effect song patches, Mastering effect song patches, Rhythms, Loop effect)
- eBand Mode song data
- Live Rec Mode song data
- Mastered song data

1. **Press the [EXIT] button to return to the main screen.**

2. **Use a USB cable to connect the BR-80 to your computer.**

   The IDLING screen will appear.



USB STORAGE
IDLING...

A “BR-80 eBand” icon (or a “removable disk (*:)” icon) will appear on your computer.

* The following steps cannot be performed if the IDLING screen is not displayed. Set the BR-80’s USB mode to STORAGE (p. 104).

3. Back up or recover your data.

To back up

Double-click the "BR-80 eBand" icon (or the "removable disk (*:)" icon).

Drag and drop the "ROLAND" folder into a folder on your computer.

When the backup is completed, the IDLING screen will reappear.

To recover

Double-click the "BR-80 eBand" icon (or the "removable disk (*:)" icon).

Delete the "ROLAND" folder in the BR-80.

Drag and drop the "ROLAND" folder onto the "BR-80 eBand" icon (or the "removable disk (*:)" icon).

When the recover operation is completed, the IDLING screen will reappear.

NOTE

- When backing up or recovering, you must drag and drop the entire "ROLAND" folder.
  If you copy only a portion of the folders, the data might not be usable on the BR-80.
- In some cases during the recover operation, your computer might display a message asking you to confirm the overwrite. Choose "YES" for all. If you choose "No," the recovery will be incomplete, and malfunctions might occur later while operating the BR-80.
- When you recover the data, the data in the SD card will be overwritten.

4. Stop the connection between the BR-80 and your computer.

After carrying out the following procedure on your personal computer, wait until the IDLING screen has reappeared on the BR-80.

Windows users

From the Windows Start menu, choose "Computer."

Right-click the "BR-80 eBand" icon (or the "Removable disk (*:)" icon), and then execute "Eject."

Mac OS users

Drag the "BR-80 eBand" icon to the "Eject" icon.

5. Turn the BR-80's power off.

NOTE

The SD card might be damaged if you fail to stop the connection between the BR-80 and your computer using the correct procedure.

6. Disconnect the USB cable.

If you wish to continue using the unit, turn off the power, then turn it back on again.

Using the BR-80 as an Audio Interface

If you're using the BR-80 as an audio interface, set the BR-80's USB mode to AUDIO (p. 104).

You must install the USB driver before connecting the BR-80 to your computer (p. 104).

NOTE

- Recording, duplication, distribution, sale, lease, performance, or broadcast of copyrighted material (musical works, visual works, broadcasts, live performances, etc.) belonging to a third party in part or in whole without the permission of the copyright owner is forbidden by law.
- Do not use this product for purposes that could infringe on a copyright held by a third party. We assume no responsibility whatsoever with regard to any infringements of third-party copyrights arising through your use of this product.

Recording Audio from the BR-80 on Your Computer

Using USB, the sound you input to the BR-80 or the sound from tracks being played back can be recorded by your personal computer software.

1. **Use a USB cable to connect the BR-80 to your computer.**
2. **In your computer's audio recording software, you need to change the audio input source so that the BR-80 is selected.**

   For information on how to change the input source, refer to the user's guide that came with your software.

Using the BR-80 to Hear Songs Played Back by Your Computer

Here's how audio played back by your computer can be heard via USB through an output device connected to the BR-80.

1. **Use a USB cable to connect the BR-80 to your computer.**
2. **In your computer's audio playback software, switch the audio output destination to the BR-80.**

   For details on how to switch the output destination, refer to the owner's manual for the software you're using.

Using the BR-80 to Record Songs Played Back by Your Computer

Here's how audio data played back by your computer can be sent to the BR-80 via USB and recorded on the BR-80's tracks.

1. **Use a USB cable to connect the BR-80 to your computer.**
2. **In your computer's audio playback software, switch the audio output destination to the BR-80.**

   For details on how to switch the output destination, refer to the owner's manual for the software you're using.

   Adjust the volume within the software you're using.
3. **Record as described in "Recording" (p. 58).**

   * To record only the sound arriving at the USB connector, turn the [REC LEVEL] dial all the way down.

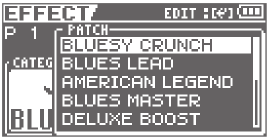
Detailed Effect Settings

Editing the Insert Effect Settings (EDIT)

To create a new effect sound, choose an existing patch that's close to what you have in mind, and then edit it. When saving the edited patch, save it as a user patch or song patch.

1. **Press the [COSM] button.**

   The effect patch select screen will appear.

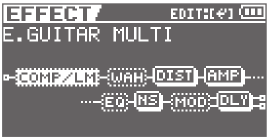

EFFECT
EDIT
P 1
PATCH
CATEG
BLU
BLUESY CRUNCH
BLUES LEAD
AMERICAN LEGEND
BLUES MASTER
DELUXE BOOST

2. **Select an effect patch (p. 68).**

3. **Press the [ENTER] button.**

4. **Use the cursor [◀] [▶] buttons to move the cursor to "EDIT," and press the [ENTER] button.**

   The EDIT screen will appear.


EFFECT
EDIT
E.GUITAR MULTI
COMP/LM
WAH
DIST
AMP
EQ
NS
MOD
DLY

5. **Use the cursor [◀] [▶] buttons to move the cursor to each effect, and use the dial to specify the on/off status of each effect.**

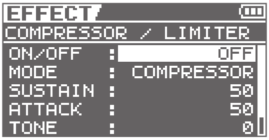
Indication	Explanation
AMP	Effect on (selected)
AMP	Effect on
AMP	Effect off (selected)
AMP	Effect off

6. **Use the cursor [◀] [▶] buttons to move the cursor to the effect whose parameters you want to edit, and press the [ENTER] button.**

   The parameter edit screen for that effect will appear.

   For details on the effect parameters, refer to "BR-80_Data_List_e.pdf" on the included SD card.

   For details on where "BR-80_Data_List_e.pdf" is located, refer to "ReadmeEN.txt" on the included SD card.



COMPRESSOR / LIMITER

ON/OFF : OFF
MODE : COMPRESSOR
SUSTAIN : 50
ATTACK : 50
TONE : 0

7. **Use the cursor [▲] [▼] buttons to select a parameter, and use the dial to edit its value.**

   If you want to edit a different effect, press the [EXIT] button to return to the previous screen, and repeat steps 5–6.

8. **Press the [EXIT] button a number of times to return to the basic screen.**

NOTE

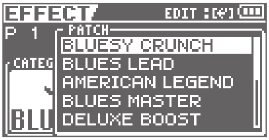
If you switch to another effect patch before saving, the changes you made will be lost.

Saving an Effect (WRITE/NAME)

Here's how to assign a name (patch name) to the effect settings you edited, and save them as a new effect patch.

1. Press the [COSM] button.

The effect patch select screen will appear.

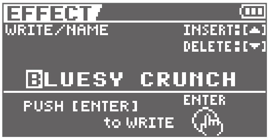

EFFECT
EDIT :[♯]
P 1
PATCH
CATEG
BLU
BLUESY CRUNCH
BLUES LEAD
AMERICAN LEGEND
BLUES MASTER
DELUXE BOOST

2. Select an effect patch (p. 68).

3. Press the [ENTER] button.

4. Use the cursor [◀] [▶] buttons to move the cursor to "WRITE/NAME," and press the [ENTER] button.

The WRITE/NAME screen will appear.


EFFECT
WRITE/NAME
INSERT:[▲]
DELETE:[▼]
BLUESY CRUNCH
PUSH [ENTER]
to WRITE
ENTER

5. Use the cursor [◀] [▶] buttons to move the cursor to the character that you want to edit.

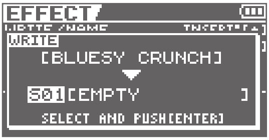
6. Turn the dial to select the desired character.

Press the cursor [▲] button to insert one character at the selected location.

Press the cursor [▼] button to delete the selected character.

7. When you've finished entering the patch name, press [ENTER] button.

The WRITE screen will appear.


EFFECT
WRITE
[BLUESY CRUNCH]
S01[EMPTY]
SELECT AND PUSH[ENTER]

8. Using the cursor [◀] [▶] buttons and the dial, choose the Effect Patch that is to become the destination of the write.

9. Press the [ENTER] button.

About COSM (Composite Object Sound Modeling)

Composite Object Sound Modeling–or "COSM" for short–is BOSS/Roland's innovative and powerful technology that's used to digitally recreate the sound of classic musical instruments and effects. COSM analyzes the many factors that make up the original sound–including its electrical and physical characteristics–and creates a digital model that accurately reproduces the original.

Algorithm List

For the insert effects, the available effects and the order in which they are connected (the algorithm) will differ for each category and patch.

The BR-80 provides the following algorithms for various purposes.

* The line or lines connecting the algorithm indicate whether the effect features mono (single line) or stereo (two lines).

(Ex.) Output: Mono

–[COMP/LM]–[WAH]–

Output: Stereo

–[MOD]=[DLY]=

For Electric Guitar/ Electric Bass

1. E.GUITAR MULTI

This is a multi-effect designed for electric guitar.

This provides an amp sound using a preamp and speaker simulator.

-[COMP/LM]-[DIST]-[AMP]-[EQ]
[NS]-[MOD]=[DLY]=

Compressor/Limiter
Distortion
Amp
Equalizer
Noise Suppressor
Modulation
  - Octave
  - Phaser
  - Flanger
  - Tremolo
  - Rotary
  - Uni-v
  - Pan
  - Chorus
Delay

2. ACOUSTIC SIM

This is a multi-effect designed for electric guitar.

It allows you to use an electric guitar to produce sounds similar to those of an acoustic guitar.

-[ASIM]-[COMP/LM]-[EQ]-[NS]
[CHO]=[DLY]=

Acoustic Simulator
Compressor/Limiter
Equalizer
Noise Suppressor
Chorus
Delay

3. GUITAR TO BASS

Simulates the sound of a bass guitar.

Obtain the sound of a bass guitar while playing an electric guitar.

* You should avoid playing chords when using the GUITAR TO BASS.

-[G->B]-[COMP/LM]-[DIST]-[AMP]
[EQ]-[NS]-[MOD]=[DLY]=

Guitar to Bass
Compressor/Limiter
Distortion
Amp
Equalizer
Noise Suppressor
Modulation
- **Octave**
- **Phaser**
- **Flanger**
- **Tremolo**
- **Pan**
- **Chorus**

Delay

For Microphone

4. VOCAL MULTI

This is a multi-effect for vocals.

It provides effects that are optimized for vocals.

-[PCR]-[DYN]-[EQ]-[NS]
[DB/HR]=[DLY]=

Pitch Correct
Dynamics
Equalizer
Noise Suppressor
Double/Harmony
Delay

5. STEREO MULTI

This effect is designed specifically for the built-in microphones.

This algorithm connects six types of effect, all in full stereo.

=[COMP/LM]=[EQ]=[NS]=[MOD]
[CHO]=[DLY]=

Compressor/Limiter
Equalizer
Noise Suppressor
Modulation
- **Phaser**
- **Flanger**
- **Tremolo**
- **Rotary**
- **Pan**

Chorus
Delay

For Acoustic Guitar

6. A.GUITAR MULTI

This is a multi-effect designed for acoustic guitar.

Even when an electric-acoustic guitar is connected at line level, this provides a warm sound similar to what is obtained through a microphone.

-[ACP]-[COMP/LM]-[EQ]-[NS]
[CHO]=[DLY]=

Acoustic Processor
Compressor/Limiter
Equalizer
Noise Suppressor
Chorus
Delay

Making Overall Settings

Adjusting the Input Sensitivity (INPUT)

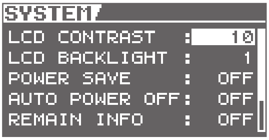
Here's how to adjust the input sensitivity of the GUITAR/MIC IN jack/Built-in microphones.

* This setting is not available in LIVE REC mode.

1. **Press the [MENU] button.**
2. **Use the cursor [◀] [▶] buttons to move the cursor to "INPUT," and press the [ENTER] button.**
3. **Use the dial to adjust the value.**
4. **Press the [EXIT] button a number of times to return to the relevant screen for the mode you're in.**

System Settings (SYSTEM)

1. **Press the [MENU] button.**
2. **Use the cursor [◀] [▶] buttons to move the cursor to "FUNCTION," and press the [ENTER] button.**
3. **Use the cursor [◀] [▶] buttons to move the cursor to "SYSTEM," and press the [ENTER] button.**



```
SYSTEM/
LCD CONTRAST  :  10
LCD BACKLIGHT :   1
POWER SAVE    : OFF
AUTO POWER OFF: OFF
REMAIN INFO   : OFF
```

4. **Use the cursor [▲] [▼] buttons to select a parameter, and use the dial to edit the value.**

Parameter	Explanation
LCD CONTRAST	Adjusts the contrast of the LCD screen.
LCD BACKLIGHT	Adjusts the brightness of the LCD screen backlight.
POWER SAVE	Specifies the time after which the backlight will be dimmed.
AUTO POWER OFF	Specifies the time after which the power will be automatically turned off (p. 42).
REMAIN INFO (MTR mode only)	If you turn this ON, the indication for the current time will be switched so it indicates the remaining available recording time. If you turn this OFF, the indication will return to the current time.
PATCH SYNC	Here you can turn the PATCH SYNC function on/off (p. 98).
BATTERY	Specifies the type of battery that is installed.

5. **Press the [EXIT] button a number of times to return to the relevant screen for the mode you're in.**

Viewing SD Card Usage (SD INFO)

Here’s how to view the usage status of the SD card.

1. **Press the [MENU] button.**
2. **Use the cursor [◀] [▶] buttons to move the cursor to “FUNCTION,” and press the [ENTER] button.**
3. **Use the cursor [◀] [▶] buttons to move the cursor to “SD INFO,” and press the [ENTER] button.**

Parameter	Explanation
TOTAL SIZE	Total capacity of the SD card
REMAIN SIZE	Free space remaining on the SD card

4. **Press the [EXIT] button a number of times to return to the relevant screen for the mode you’re in.**

Initializing an SD Card (FORMAT)

NOTE

- When you format a card, the entire contents of that card will be lost. Be sure to back up important data before you continue (p. 107).
- Before you use a commercially available SD card, you must format it on the BR-80.
- Make sure that the BR-80’s power is turned off before you insert or remove an SD card. Inserting or removing an SD card while the power is on may destroy the data on the SD card or damage the SD card itself.
- Depending on the capacity of the SD card, formatting may take several minutes. This does not indicate a malfunction. Do not turn off the power until formatting is completed.
- Never remove the SD card or turn off the power while the message “Keep power on!” is shown. Doing so will destroy the data on the SD card or damage the SD card itself.

1. **Press the [MENU] button.**
2. **Use the cursor [◀] [▶] buttons to move the cursor to “FUNCTION,” and press the [ENTER] button.**

3. **Use the cursor [◀] [▶] buttons to move the cursor to "SD FORMAT," and press the [ENTER] button.**

4. **Press the [ENTER] button once again.**

   A message will ask "Are you sure?"

5. **To format the card, choose "YES" and press the [ENTER] button. If you decide to cancel, choose "NO" and press the [ENTER] button.**

   If you choose "YES" and press the [ENTER] button, the card will be formatted; you'll then be returned to the relevant screen for the mode you're in.

Initializing the Unit (FACTORY RESET)

1. **Press the [MENU] button.**

2. **Use the cursor [◀] [▶] buttons to move the cursor to "FUNCTION," and press the [ENTER] button.**

3. **Use the cursor [▲] [▼] buttons to move the cursor to "F.RESET," and press the [ENTER] button.**

4. **Press the [ENTER] button once again.**

   A message will ask "Are you sure?"

5. **To execute the factory reset, choose "YES" and press the [ENTER] button. If you decide to cancel, choose "NO" and press the [ENTER] button.**

   If you choose "YES" and press the [ENTER] button, the factory reset will be executed.

NOTE

After executing the Factory Reset, turn the BR-80's power off, then on again.

Auto Power Off Settings

The BR-80 can turn off its power automatically. The power will turn off automatically when 30 minutes have passed since you last played or operated the unit.

With the factory settings, this function is turned "ON" (power-off in 30 minutes). If you want to turn it "OFF," change the setting as follows.

NOTE

- When the power is turned off, any effect settings you were editing will be lost. Before turning the power off, you must save any settings that you want to keep.

1. **Press the [MENU] button.**
2. **Use the cursor [◀] [▶] buttons to move the cursor to "FUNCTION," and press the [ENTER] button.**
3. **Use the cursor [◀] [▶] buttons to move the cursor to "SYSTEM SETUP," and press the [ENTER] button.**
4. **Use the cursor [▲] [▼] buttons to select AUTO POWER OFF, and use the dial to change the setting.**

Value	Explanation
3MIN 5MIN 10MIN 15MIN 30MIN 45MIN 60MIN	Specifies the time from when you stop operating the BR-80 until the power turns off automatically.
OFF	The power will not turn off automatically.

Tuning Your Instrument

The BR-80 provides a Chromatic Tuner function that makes it easy to tune an instrument. The built-in tuner supports guitar or bass guitar.

Here’s how to tune your guitar.

The inputs that can be tuned will depend on the mode.

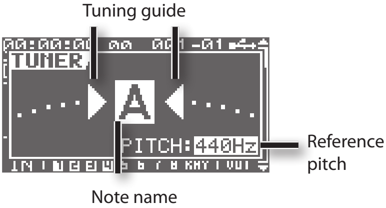
Input	LIVE REC mode	MTR mode	eBand mode
GUITAR/ MIC IN		✔	✔
Built-in microphones	✔	✔	✔
LINE IN			
USB			

* Playback or recording is not possible while using the tuner.

Switching to the tuner

1. **Hold down the [RHYTHM] button and press the [COSM] button.**

   The TUNER screen will appear.



The tuning guide indicates the difference between the input pitch and the displayed note name. If the difference between the input and the correct pitch is within ±50 cents, the tuning guide shows the amount of difference.

2. **To turn off the tuner, press the [EXIT] button.**

MEMO

If you don’t want sound to be output during tuning, lower the [VOLUME] knob.

Tuning

1. **Play a single note on the open string that you’re tuning.**

   The display will show the note name that is closest to the pitch of the string you played.

   * You must cleanly play a single note on only the string you’re tuning.

2. **Tune your instrument so that the correct note name of the string you’re tuning appears in the display.**

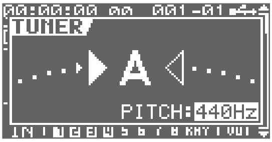
Standard tuning

	7th string	6th string	5th string	4th string	3rd string	2nd string	1st string
Guitar	B	E	A	D	G	B	E
Bass	-	-	B	E	A	D	G

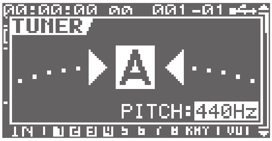
3. **While watching the tuning guide, tune your instrument so that the screen shows the desired note name and both of the triangular symbols.**

   If the difference is within ±50 cents of the correct pitch, the tuning guide will show the difference between your instrument and the displayed pitch.

If your instrument is flat

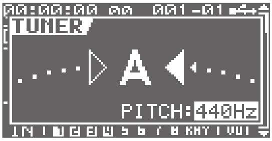


If your instrument matches the displayed pitch



PITCH:440Hz

If your instrument is sharp



PITCH:440Hz

4. Repeat steps 1–3 to tune each string of your instrument.

MEMO

If you’re tuning a guitar that has a whammy bar, tuning one string might cause the other strings to drift out of tune. Start by tuning each string to the approximate pitch so that the correct note name is displayed, and then retune each string successively as many times as needed.

Specifying the reference pitch

When tuning an instrument, the reference pitch is conventionally given as the frequency of the A4 note (middle A on a piano keyboard).

You can adjust the tuner’s reference pitch in the range of 435–445 Hz.

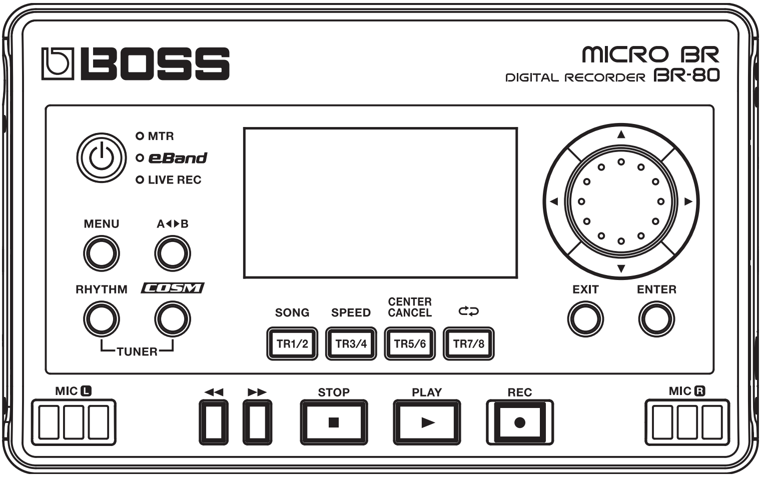
In the TUNER screen, you can use the dial to set the reference pitch.

With the factory settings, this is set to 440 Hz.

MEMO

The reference pitch setting is saved within the BR-80.

Appendix


BOSS
MICRO BR
DIGITAL RECORDER BR-80
MTR
eBand
LIVE REC
MENU
A◂▸B
RHYTHM
COSM
TUNER
SONG
SPEED
CENTER CANCEL
TR1/2
TR3/4
TR5/6
TR7/8
EXIT
ENTER
MIC L
STOP
PLAY
REC
MIC R

Quick Start
Preparations
LIVE REC Mode
MTR Mode
eBand Mode
Convenient Functions
Appendix

Troubleshooting

This section contains tips to help you solve problems.

If this information does not help you solve the problem, please contact a customer service location listed at the end of this manual.

Problems with the Power Supply

Item	Explanation	Page
Power won't turn on	• Is the specified AC adaptor (PSA series; sold separately) properly connected? • Never use any AC adaptor other than one specified for use with the BR-80.	–
	Is sufficient power being supplied to your computer or USB hub? The connection cannot be established if insufficient power is being supplied to the BR-80. Make sure that none of the following cases apply. • If you're using a notebook computer that's running on its battery, operation may be unstable in the case of some computers. In this case, connect an AC adaptor to your computer. • The power management settings of your computer may be limiting the power that is supplied to USB. Check the settings on your computer. • In some cases, the BR-80 cannot be used with bus-powered hubs (USB hubs that do not contain a power supply). Please use a self-powered hub (a hub that contains a power supply).	–

Problems with the Sound

Item	Explanation	Page
No sound	Is power to the BR-80 and any connected equipment turned on?	p. 41
	Are the audio cables connected correctly?	p. 40
	Could an audio cable be broken?	–
	Could the volume be turned down on the connected amp or mixer?	–
	Could the [VOLUME] dial be lowered?	–
	Is an SD card inserted?	p. 39
	Could an SD card not supported by the BR-80 be inserted? Before using any SD card other than the one that was supplied with the unit, please refer to the Roland website (http://www.roland.com). There you'll find the latest information regarding compatibility.	
	Could you be attempting to play back a phrase shorter than one second in MTR mode? Phrases shorter than one second cannot be played back in MTR mode.	–
Can't play back a WAV/MP3 file	Could you be attempting to play back a file in a format that the BR-80 does not support?	p. 128

Item	Explanation	Page
The volume level of equipment connected to LINE IN jack or GUITAR/MIC IN jack is too low.	Could you be using a connection cable that contains a resistor? Use a connection cable that does not contain a resistor.	–
	Is the volume of your external device adjusted correctly?	–
No sound from a specific track in MTR mode	Could the track's volume level be lowered?	p. 63
	Could the wrong V-track be selected?	p. 66
	Could the track be muted?	p. 64
	Could another track be soloed?	p. 64
Can't hear the input source	Did you adjust the [REC LEVEL] dial?	p. 36
	Did you adjust INPUT SENS?	p. 114
	Is the GUITAR/MIC select switch set correctly?	p. 37
Can't record	Could the song be protected?	p. 86
	Is an SD card inserted?	p. 39
	Could the SD card have insufficient free space?	p. 115
	Could the SD card be locked?	p. 39
You don't want to apply reverb in MTR mode	Check the reverb send level amounts for the loop effect. The BR-80 provides reverb as a loop effect. Reverb is applied by default. If you want to turn off the reverb effect, set each track's send level amount to "0."	p. 65
Recorded sound contains noise or distortion	Is the input sensitivity appropriate? The recorded sound will be distorted if the input sensitivity is too high, and noise will be excessive if the input sensitivity is too low. Adjust the input sensitivity so that the Peak indicator briefly lights when the loudest passages occur.	p. 36 p. 114
	Are the track output levels appropriate? If there is noise or distortion following mastering, the track output levels are too high.	–
	Could a microphone with high output impedance be connected directly to the BR-80? Since the GUITAR/MIC IN jack (when MIC is selected) is a low-impedance input, the recording level might be low for some microphones. In this case, pass the signal through a commercially available microphone preamp before recording it.	–
Some noise is heard when the [REC LEVEL] dial is turned while in LIVE REC mode	Although a small amount of noise might be heard when the [REC LEVEL] dial is turned while in LIVE REC mode, this does not indicate a malfunction.	–

Problems with the SD Card

Item	Explanation	Page
Data on the SD card was damaged	Data on the SD card can be damaged due to the following reasons. Please format the SD card. • Could the power have been turned off during recording or playback? • Could the SD card have been subjected to strong physical shock? • Could you have turned off the power while the SD card was being accessed? • Could you be using an SD card that was formatted by a computer or digital camera?	p. 115
Can't format the SD card	Could the SD card be write protected?	p. 39
	Could an SD card not supported by the BR-80 be inserted? Before using any SD card other than the one that was supplied with the unit, please refer to the Roland website (http://www.roland.com). There you'll find the latest information regarding compatibility.	–

Problems with USB

Item	Explanation	Page
IDLING screen does not appear	Is the USB cable connected correctly?	p. 40
	Does your computer's operating system support the BR-80? For information concerning the operating environment needed for using USB, please refer to the Roland website (http://www.roland.com).	–
	Does your computer support USB 2.0? The BR-80 will not work with USB 1.1 or earlier. Use a computer that supports USB 2.0.	–
Can't hear sound being input via USB	Could the USB mode be set to Storage?	p. 104
	Is the USB driver installed correctly?	p. 104

Error Message List

An error message will appear in the display if you attempt to perform an invalid operation or if an operation could not be executed correctly.

Take the appropriate action for the message that appears.

Message	Cause	Action	Page
Already exists!	There is a file of the same name.	Create the file using a different name.	–
Battery low!	The operating batteries have run low.	Replace the batteries as soon as possible.	p. 38
Cannot change file name!	The file name contains some characters which are incompatible with BR-80.	Please change the file name using your computer.	p. 106
	The selected file has a name containing more than eight characters.		
Cannot edit song name!	The song name edited by Song List Editor can be viewed but not edited on the BR-80.	It is not possible to edit the song name. Use Song List Editor to edit the name.	–
Cannot delete!	You tried to erase a pattern from a rhythm that contains only one pattern.	Make sure that there are at least two patterns in the rhythm, then try the erasure.	p. 70
Cannot Edit!	You attempted to change, from the Level Meter screen, the tempo of a rhythm that has a tempo change partway through it.	Make your tempo changes using the rhythm edit function.	p. 69
Cannot insert!	The rhythm exceeded 999 measures.	A rhythm cannot have more than 999 measures.	p. 69
Card full!	Recording or copying is not possible because there isn't enough free space on the SD card.	Back up important data to your computer, and delete unwanted data from the card.	p. 107
		Erase unnecessary tracks, and carry out song optimization in MTR mode.	p. 76, p. 88
Card locked!	Writing or erasure cannot be performed because the SD card's Lock feature is on.	Turn off the power, remove the SD card, and turn Lock off.	p. 39
Card read error!	Data could not be read correctly from the SD card.	Turn off the power, reinsert the SD card securely, and then turn on the power again. If the same message appears even after you've performed the above action, the SD card may be damaged.	p. 39
		Format the SD card. If the same message appears even after you've performed the above action, the SD card may be damaged.	p. 115
Card write error!	An error occurred while writing data to the SD card.	Format the SD card. The song data you were attempting to save will be lost. If the same message appears even after you've performed the above action, the SD card may be damaged.	p. 115

Error Message List

Message	Cause	Action	Page
Data too long!	The song is too long (the file size is too large) to be played.	Reduce the size of the file by, for example, using your computer to divide it into smaller portions.	–
Data too short!	You attempted to import a WAV/MP3 file that was shorter than one second.	The WAV/MP3 file must be longer than one second for it to be imported.	–
Drive busy!	Data could not be read or written fast enough because the data is stored on the SD card in a fragmentary manner. Alternatively, you are using an SD card that is not fast enough. This problem is more likely to occur if you join together phrases (recorded data) of only a few seconds in length, such as when using punch-in/ out recording.	Reduce the number of tracks to be played back simultaneously. Use the Bounce operation to combine tracks, and delete the tracks that you don't need to play. Then, try playback again.	p. 80
		Reduce the number of items being recorded simultaneously.	–
Event full!	While in MTR mode, you've exceeded the number of events that can be used in one song.	Erase unnecessary tracks, and carry out song optimization in MTR mode.	p. 76, p. 88
	What is an event? An "event" is the smallest unit used by the BR-80 to manage the data recorded on an SD card. Approximately 30,000 events are allocated for each newly created song. For each track, each recording operation will consume two events. Operations such as punch-in/out and track copy will also consume events. The number of events consumed will change in a complex way depending on the conditions. For example, even if there actually is free space remaining on the SD card, no further recording or track editing will be possible if all of the events have been used up. If this occurs, the error message "Event Full!" will appear.		
No card!	You performed a recorder or SD card operation when no SD card was inserted, or the card was incompletely inserted.	Turn off the power, firmly reinsert the SD card, and then turn the power on again.	p. 39
	You removed the SD card after selecting data on the SD card.		
No file!	When importing WAV/MP3/SMF data, the file to be imported did not exist.	Prepare the file that is to be imported.	–
No song!	The SD card does not contain songs.	Create a new song.	p. 57
	The song folder contains incorrect data, or does not contain the necessary data.	Restore the backed-up data from your computer back to the BR-80. Restore the entire "ROLAND" folder to the BR-80.	p. 107
Not available!	The operation you attempted cannot be executed in the current mode.		–

Error Message List

Message	Cause	Action	Page
Power down!	The internal power supply voltage has fallen below the allowable range for recorder operation.	If you're using the adaptor: It may be that the cable is broken or the adaptor is faulty. Please contact Roland customer service or your dealer.	–
		If you're using batteries: Install fresh batteries.	p. 38
Protected!	You attempted to write data to a song whose Song Protect setting is "ON."	Turn Song Protect "OFF."	p. 86
Stop recorder!	The operation you attempted cannot be executed while the recorder is operating (i.e., during playback or recording).	Press the [■] (STOP) button to stop playback or recording.	–
System error!	Writing to the BR-80's memory failed.	It may be that the BR-80 has malfunctioned. Please contact Roland customer service or your dealer.	–
Too many files!	You attempted to create more than 1,000 files in LIVE REC mode.	Delete unneeded files.	p. 52
Too many songs!	You attempted to create more than 100 songs in MTR mode.	Delete unneeded songs.	p. 87
Unformatted card!	The SD card is of a type that cannot be used on the BR-80.	Turn off the power, firmly reinsert the SD card, and then turn the power on again.	p. 39
		Format the card on the BR-80.	p. 115
Unsupported format!	You attempted to import a WAV/MP3/SMF file that the BR-80 does not support.	Check the format of the WAV/MP3/SMF file.	p. 128
Memory full!	While in MTR mode, the size of a song has reached the maximum.	Carry out optimization. If no additional free space has been created even after optimization, erase unnecessary tracks, then carry out song optimization in MTR mode.	p. 76, p. 88

Specifications

BOSS MICRO BR BR-80 : DIGITAL RECORDER

Tracks	MTR Mode	Tracks: 8 Simultaneously recording track: 2 V-Track: 64 (8 V-Tracks per each Track)
	eBand Mode	Tracks: 2 (stereo) Simultaneously recording track: 2 (stereo)
	LIVE REC Mode	Tracks: 2 (stereo) Simultaneously recording track: 2 * Either the playback or the recording.
Useful Capacity	SDHC card:	4 GB–32 GB
	SD card:	1 GB–2 GB
Data Type	MTR Mode	Linear (Bit Depth: 16 bits)
	eBand Mode	eBand Songs (Recording/Playback) WAV (Bit Depth: 16 bits, Playback only) MP3 (Bit Rates: 64 kbps–320 kbps, Playback only)
	LIVE REC Mode	WAV (Bit Depth: 16 bits, Recording/Playback) MP3 (Bit Rates: 64 kbps–320 kbps, Recording/Playback)
AD Conversion	24 bits	
	24 bits	
DA Conversion	24 bits	
Sample Rate	44.1 kHz	

Recording Time (conversion in one track)	MTR Mode (calculated as 1 track)		1GB	3 hours
			32GB	100 hours
	eBand Mode	eBand Song	1GB	4 hours
			32GB	130 hours
	eBand Mode/ LIVE REC Mode	WAV 16-bit, stereo	1GB	1.5 hours
			32GB	50 hours
		MP3 128 kbps, stereo	1GB	16 hours
			32GB	550 hours

* The above-listed recording times are approximate. Times may be slightly shorter depending on the number of songs that were created.
* The above number of the MTR mode is the total for all the tracks that are used. If each of the eight tracks contain an equal amount of data, the length of the resulting song will be approximately 1/8 of the above.

Nominal Input Level	GUITAR/MIC IN jack:	-20 dBu (GUITAR/MIC SW = GUITAR) -40 dBu (GUITAR/MIC SW = MIC)
	LINE IN jack:	-10 dBu
Input Impedance	GUITAR/MIC IN jack:	1 M ohm (GUITAR/MIC SW = GUITAR) 6 k ohms (GUITAR/MIC SW = MIC)
	LINE IN jack:	10 k ohms

Specifications

Nominal Output Level	PHONES/LINE OUT jack: -14 dBu
Output Impedance	PHONES/LINE OUT jack: 22 ohms
Display	Graphic LCD 128 x 64 dots
USB Functions	24-bit/44.1 kHz USB-AUDIO (Hi-Speed USB) USB Mass Storage Class (Hi-Speed USB) BUS Power operation
Connectors	GUITAR/MIC IN jack (1/4” phone type) LINE IN jack (Stereo miniature phone type) PHONES/LINE OUT jack (Stereo miniature phone type) USB connector (mini-B type) DC IN jack
Power Supply	DC 9V: AC Adaptor (sold separately) Alkaline battery (AA, LR6) x 2 Rechargeable Ni-MH battery (AA, HR6) x 2 USB Bus Power
Current Draw	130 mA (DC IN) Alkaline dry cell batteries: Approx. 6 hours (with continuous playback of 8 tracks, power save function) * These figures will vary depending on the actual conditions of use.
Dimensions	138.0 (W) x 86.0 (D) x 21.7 (H) mm 5-7/16 (W) x 3-7/16 (D) x 7/8 (H) inches
Weight	140 g / 5 oz
Accessories	SD card SONAR X1 LE DVD-ROM USB Cable (mini-B type) Alkaline battery (AA, LR6) x 2 Owner’s Manual
Options (sold separately)	AC Adaptor: PSA series Silicone Rubber Case: BA-BR80S

* 0 dBu = 0.775 Vrms

* In the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.

Index

- [⏻] button 34
- [◀◀] button 35
- [▶▶] button 35
- [■] (STOP) button 35
- [▶] (PLAY) button 35
- [●] (REC) button 35

A

- [A ◀▶ B] button 34
- AB EDIT 100
- AB Repeat
  - eBand Mode 92
  - LIVE REC Mode 47
  - MTR Mode 60
- AC adaptor 41
- ACOUSTIC SIM 112
- A.GUITAR MULTI 113
- Algorithm
  - Acoustic Guitar 113
  - E.Bass 112
  - E.Guitar 112
  - Microphone 113
- Audio Interface 109
- Auto Power Off 117
- AUTO POWER OFF 114
- AUTO PUNCH IN/OUT 61

B

- Back up 108
- Battery 38
- BATTERY 114
- Battery compartment cover 37
- BEST 30 EDIT 100
- BOUNCE 80
- BR Series Wave Converter 107

C

- CENTER CANCEL 31, 96
- [COSM] button 34
- Cursor buttons 35

D

- DC IN jack 36
- Demo Song 56
- Dial 35
- Display 35
- Drum Sound 72

E

- eBand Mode 28, 91
- eBand Song List Editor 107
- Effect
  - Detail 110
  - eBand Mode 97
  - MTR Mode 68
- Effect Category 67
- Effect Patch 67
- E.GUITAR MULTI 112
- [ENTER] button 35
- Error Message List 125
- [EXIT] button 35

F

- FACTORY RESET 116
- FORMAT 115

G

- GUITAR/MIC IN jack 36
- GUITAR/MIC select switch 37
- GUITAR TO BASS 113

I

- INPUT 114

K

- Kit 72

L

- LCD BACKLIGHT 114
- LCD CONTRAST 114
- Level Meter 63
- LINE IN jack 36
- LIVE REC Mode 18, 45

M

- Mastering 26
- MASTERING 81
- Memory card slot 37
- [MENU] button 34
- MIC L/R 35
- MTR Mode 22, 55
- Mute 64

P

- PATCH SYNC 114
- PHONES/LINE OUT jack 36
- Phrase Trainer 31
- Playback
  - eBand Mode 92
  - LIVE REC Mode 47
  - MTR Mode 60

PLAY MODE
  eBand Mode . . . 96
  LIVE REC Mode . . . 48
POWER SAVE. . . . 114
Problems
  Power Supply . . . 122
  SD Card . . . 124
  Sound . . . 122
  USB . . . 124

R
[REC LEVEL] dial . . . 36
Recording
  eBand Mode . . . 93
  LIVE REC Mode . . . 46
  MTR Mode . . . 57
Recording Level . . . 49
Record Mode . . . 49
Recover . . . 108
REC TRACK . . . 59
REDO . . . 78
REMAIN INFO . . . 114
Reverb . . . 65
REVERB SEND . . . 65
Rhythm . . . 69
[RHYTHM] button . . . 34

S
SD card . . . 39
SD INFO . . . 115
SMF IMPORT . . . 72
Solo . . . 64
SONG . . . 94
SONG COPY . . . 87
SONG ERASE
  eBand Mode . . . 99
  LIVE REC Mode . . . 52
  MTR Mode . . . 87
SONG INFO
  eBand Mode . . . 98
  LIVE REC Mode . . . 50
  MTR Mode . . . 85
SONG NAME
  eBand Mode . . . 98
  LIVE REC Mode . . . 51
  MTR Mode . . . 86
SONG NEW . . . 57
SONG OPTIMIZE . . . 88
Song patch . . . 67
SONG PROTECT . . . 86
SONG SELECT . . . 57
Song Templates . . . 23
SPEED . . . 31, 95
STEREO MULTI . . . 113
Strap hole . . . 36
SYSTEM . . . 114

T
Tempo . . . 25
Track buttons . . . 35
TRACK EDIT
  COPY . . . 74
  ERASE . . . 76
  EXCHANGE . . . 77
  IMPORT . . . 78
  MOVE . . . 76
TRACK EQ . . . 64
TRACK LEVEL . . . 63
TRACK MUTE & SOLO . . . 64
TRACK PAN . . . 64
Tuner . . . 118

U
UNDO . . . 78
USB Connector . . . 36
USB Driver . . . 104
User patch . . . 67

V
VOCAL MULTI . . . 113
[VOLUME] dial . . . 36
V-TRACK . . . 66

W
WRITE/NAME
  Effect . . . 111

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As of Feb. 1, 2011 (ROLAND)

For EU Countries

UK This symbol indicates that in EU countries, this product must be collected separately from household waste, as defined in each region. Products bearing this symbol must not be discarded together with household waste.

DE Dieses Symbol bedeutet, dass dieses Produkt in EU-Ländern getrennt vom Hausmüll gesammelt werden muss gemäß den regionalen Bestimmungen. Mit diesem Symbol gekennzeichnete Produkte dürfen nicht zusammen mit den Hausmüll entsorgt werden.

FR Ce symbole indique que dans les pays de l'Union européenne, ce produit doit être collecté séparément des ordures ménagères selon les directives en vigueur dans chacun de ces pays. Les produits portant ce symbole ne doivent pas être mis au rebut avec les ordures ménagères.

IT Questo simbolo indica che nei paesi della Comunità europea questo prodotto deve essere smaltito separatamente dai normali rifiuti domestici, secondo la legislazione in vigore in ciascun paese. I prodotti che riportano questo simbolo non devono essere smaltiti insieme ai rifiuti domestici.
Ai sensi dell'art. 13 del D.Lgs. 25 luglio 2005 n. 151.

ES Este símbolo indica que en los países de la Unión Europea este producto debe recogerse aparte de los residuos domésticos, tal como esté regulado en cada zona. Los productos con este símbolo no se deben depositar con los residuos domésticos.

PT Este símbolo indica que nos países da UE, a recolha deste produto deverá ser feita separadamente do lixo doméstico, de acordo com os regulamentos de cada região. Os produtos que apresentem este símbolo não deverão ser eliminados juntamente com o lixo doméstico.

NL Dit symbool geeft aan dat in landen van de EU dit product gescheiden van huishoudelijk afval moet worden aangeboden, zoals bepaald per gemeente of regio. Producten die van dit symbool zijn voorzien, mogen niet samen met huishoudelijk afval worden verwijderd.

DK Dette symbol angiver, at i EU-lande skal dette produkt opsamles adskilt fra husholdningsaffald, som defineret i hver enkelt region. Produkter med dette symbol må ikke smides ud sammen med husholdningsaffald.

NO Dette symbolet indikerer at produktet må behandles som spesialavfall i EU-land, iht. til retningslinjer for den enkelte regionen, og ikke kastes sammen med vanlig husholdningsavfall. Produkter som er merket med dette symbolet, må ikke kastes sammen med vanlig husholdningsavfall.

SE Symbolen anger att i EU-länder måste den här produkten kasseras separat från hushållsavfall, i enlighet med varje regions bestämmelser. Produkter med den här symbolen får inte kasseras tillsammans med hushållsavfall.

FI Tämä merkintä ilmaisee, että tuote on EU-maissa kerättävä erillään kotitalousjätteistä kunkin alueen voimassa olevien määräysten mukaisesti. Tällä merkinnällä varustettuja tuotteita ei saa hävittää kotitalousjätteiden mukana.

HU Ez a szimbólum azt jelenti, hogy az Európai Unióban ezt a terméket a háztartási hulladéktól elkülönítve, az adott régióban érvényes szabályozás szerint kell gyűjteni. Az ezzel a szimbólummal ellátott termékeket nem szabad a háztartási hulladék közé dobni.

PL Symbol oznacza, że zgodnie z regulacjami w odpowiednim regionie, w krajach UE produktu nie należy wyrzucać z odpadami domowymi. Produktów opatrzonych tym symbolem nie można utylizować razem z odpadami domowymi.

CZ Tento symbol udává, že v zemích EU musí být tento výrobek sbírán odděleně od domácího odpadu, jak je určeno pro každý region. Výrobky nesoucí tento symbol se nesmí vyhazovat spolu s domácím odpadem.

SK Tento symbol vyjadruje, že v krajinách EÚ sa musí zber tohto produktu vykonávať oddelene od domového odpadu, podľa nariadení platných v konkrétnej krajine. Produkty s týmto symbolom sa nesmú vyhadzovať spolu s domovým odpadom.

EE See sümbol näitab, et EL-i maades tuleb see toode olemprügist eraldi koguda, nii nagu on igas piirkonnas määratletud. Selle sümboliga märgitud tooteid ei tohi ära visata koos olmeprügiga.

LT Šis simbolis rodo, kad ES šalyse šis produktas turi būti surenkamas atskirai nuo buitinių atliekų, kaip nustatyta kiekviename regione. Šiuo simboliu paženklinti produktai neturi būti išmetami kartu su buitinėmis atliekomis.

LV Šis simbols norāda, ka ES valstīs šo produktu jāievāc atsevišķi no mājsaimniecības atkritumiem, kā noteikts katrā reģionā. Produktus ar šo simbolu nedrīkst izmest kopā ar mājsaimniecības atkritumiem.

SI Ta simbol označuje, da je treba proizvod v državah EU zbirati ločeno od gospodinjskih odpadkov, tako kot je določeno v vsaki regiji. Proizvoda s tem znakom ni dovoljeno odlagati skupaj z gospodinjskimi odpadki.

GR Το σύμβολο αυτό υποδηλώνει ότι στις χώρες της E.E. το συγκεκριμένο προϊόν πρέπει να συλλέγεται χωριστά από τα υπόλοιπα οικιακά απορρίμματα, σύμφωνα με όσα προβλέπονται σε κάθε περιοχή. Τα προϊόντα που φέρουν το συγκεκριμένο σύμβολο δεν πρέπει να απορρίπτονται μαζί με τα οικιακά απορρίμματα.

For China

有关产品中所含有害物质的说明

本资料就本公司产品中所含的特定有害物质及其安全性予以说明。
本资料适用于 2007 年 3 月 1 日以后本公司所制造的产品。

环保使用期限

此标志适用于在中国国内销售的电子信息产品，表示环保使用期限的年数。所谓环保使用期限是指在自制造日起的规定期限内，产品中所含的有害物质不致引起环境污染，不会对人身、财产造成严重的不良影响。
环保使用期限仅在遵照产品使用说明书，正确使用产品的条件下才有效。
不当的使用，将会导致有害物质泄漏的危险。

产品中有毒有害物质或元素的名称及含量

部件名称	有毒有害物质或元素					
	铅(Pb)	汞(Hg)	镉(Cd)	六价铬(Cr(VI))	多溴联苯(PBB)	多溴二苯醚(PBDE)
外壳（壳体）	×	○	○	○	○	○
电子部件（印刷电路板等）	×	○	×	○	○	○
附件（电源线、交流适配器等）	×	○	○	○	○	○

○：表示该有毒有害物质在该部件所有均质材料中的含量均在 SJ/T11363-2006 标准规定的限量要求以下。
×：表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 SJ/T11363-2006 标准规定的限量要求。
因根据现有的技术水平，还没有什么物质能够代替它。

For EU Countries

This product complies with the requirements of EMC Directive 2004/108/EC.

For the USA

FEDERAL COMMUNICATIONS COMMISSION RADIO FREQUENCY INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment requires shielded interface cables in order to meet FCC class B limit.
Any unauthorized changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

For Canada

NOTICE

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

AVIS

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

For C.A. US (Proposition 65)

WARNING

This product contains chemicals known to cause cancer, birth defects and other reproductive harm, including lead.

For the USA

DECLARATION OF CONFORMITY
Compliance Information Statement

Model Name : BR-80
Type of Equipment : Digital Recorder
Responsible Party : Roland Corporation U.S.
Address : 5100 S.Eastern Avenue, Los Angeles, CA 90040-2938
Telephone : (323) 890-3700

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